SALIENT CHARACTERISTICS

26-SIMACQ-D20-0005 BPA

Part Number	Description
506519	10/100Base-TX to 100Base-FX (ST) Multi-Mode, 2 km (1.24 mi) Standards • IEEE 802.3 (Twisted Pair Ethernet) • IEEE 802.3u (Twisted Pair/Fiber Optic Fast Ethernet) **General** • Media support: - 100Base-TX Cat3 or higher UTP/STP RJ45, EIA/TIA 568 - 100Base-FX multi-mode 62.5/125 or 50/125 µm Fiber • Connectors: - One RJ45 port, 100Base-TX - One Fiber ST duplex port, 100Base-FX • Distances: - 2 km / 1.24 mi (62.5/125 or 50/125 µm fiber cable) - 100 m / 300 ft (RJ45 cable) • Wavelength: 1310 nm • Min. TX power: -15 dBm • Max. TX power: -8 dBm • RX sensitivity: -32 dBm • Signal loss: 2 dB/km • Certifications: FCC Class B, CE, UKCA, NDAA **LEDs** • Power • LINK/ACT for RJ45 port • LINK/ACT for Fiber ST port • 100 Mbps link speed indicator for RJ45 port • Optical signal input LED • Full-/half duplex **Power** • External power adapter, 5 VDC, 1 A • Power consumption: 3.0 watts (maximum) **Environmental** • Metal housing • Dimensions: 107 (L) x 70 (W) x 26 (H) mm (4.2 x 2.8 x 1.0 in.) • Weight: 180 g (0.4 lbs.) • Operating temperature: 0 – 70°C (32 – 158°F) • Operating humidity: 10 – 90% RH, non-condensing • Storage temperature: -45 – 80°C (-49 – 176°F)
006R04685	Substitutions are not permitted. Must be Genuine Xerox part designed for the Xerox C410 and Xerox VersaLink C415 (including C415DN) series printers. • **Color:** Black • **Capacity/Yield:** ~10,500 pages at 5% page coverage (ISO/IEC standard) • **Compatibility:** Xerox C410, C410DN, VersaLink C415, C415DN • **Dimensions:** Height 3.56 in, Length 7.28 in, Width 4.61 in, Weight 0.97 lb • **UPC:** 095205039818

SALIENT CHARACTERISTICS

26-SIMACQ-D20-0005 BPA

006R04686	Substitutions are not permitted. Must be Genuine Xerox part designed for the Xerox C410 and Xerox VersaLink C415 (including C415DN) series printers. • **Color:** Cyan • **Capacity/Yield:** ~7,000 pages at 5% page coverage (ISO/IEC standard) • **Compatibility:** Xerox C410, Xerox VersaLink C415, Xerox VersaLink C415DN • **Dimensions:** Approx. 7.28 in (L) × 4.61 in (W) × 3.56 in (H) • **Weight:** ~0.77 lb • **UPC:** 095205039825
006R04687	Substitutions are not permitted. Must be Genuine Xerox part designed for the Xerox C410 and Xerox VersaLink C415 (including C415DN) series printers. • **Color:** Magenta • **Capacity/Yield:** ~7,000 pages (high capacity, based on ISO/IEC testing at ~5% page coverage) • **Compatibility:** Xerox C410, Xerox VersaLink C415, Xerox VersaLink C415DN • **Dimensions:** 7.28" (L) × 4.61" (W) × 3.56" (H) • **Weight:** ~0.77 lb (1 lb in some listings) • **UPC:** 095205039832
006R04688	Substitutions are not permitted. Must be Genuine Xerox part designed for the Xerox C410 and Xerox VersaLink C415 (including C415DN) series printers. • **Color:** Yellow • **Capacity/Yield:** ~7,000 pages (ISO/IEC standard, based on 5% page coverage; actual yield depends on usage and coverage) • **Compatibility:** Xerox C410, C410DN, VersaLink C415, C415DN • **Dimensions:** Height 3.56 in, Length 7.28 in, Width 4.61 in • **Weight:** 0.77 lb • **UPC:** 095205039849
008R13325	Substitutions are not permitted. Must be Genuine Xerox part designed for the Xerox C410 and Xerox VersaLink C415 (including C415DN) series printers. • **Capacity/Yield:** ○ Officially rated at **30,000 pages** (some sources list ~25,000 pages based on average 5% page coverage). ○ Designed to collect excess toner from the printer/copier, preventing waste and maintaining print quality. • **Compatibility:** ○ Works with **Xerox C310, C315, C320, C325, C410, C410DN, VersaLink C415, and C415DN**. • **Design & Performance:** ○ Specially formulated and tested for **optimal image quality** and **reliable printing** page after page. ○ Quick and easy to replace, minimizing downtime. • **Dimensions & Weight:** ○ **Length:** ~1.526 ft (18.1–18.31 in) ○ **Width:** ~7.56 in ○ **Height:** ~5.51 in ○ **Weight:** ~1.65 lb (2 lb including packaging). • **UPC Code:** 095205068658.
10VV1	Substitutions are not permitted. **10A 250VAC Power Line Filter, 1.2mH Inductance, 813nF Capacitance** Multi-purpose power line filter designed for AC applications, featuring a 10A current rating and a maximum AC voltage rating of 250V. This filter incorporates 1.2mH inductance and 813nF capacitance, with a leakage current of 500uA. It operates at 50Hz/60Hz and is

SALIENT CHARACTERISTICS

26-SIMACQ-D20-0005 BPA

	suitable for chassis, flange, and panel mounting via quick connect terminations. The filter is UL approved, lead-free, RoHS compliant, and ELV compliant, with an operating temperature range of -10°C to 40°C. Frequency**50 Hz** Current**10A** Capacitance**813nF** Current Rating**10A**
11938FB-A1J-EA-00 **Other known PNs that meet requirement:** 11938FB-A1J-EA-00_60Hz or 4715FS-12T-B10-D00_60Hz	• Type: AC axial tubeaxial fan • Series: 11938FB • Frame: Square, 119 mm (L) × 119 mm (H) × 38 mm (W) • Rated Voltage: 115 VAC, 60 Hz • Airflow: 70 CFM (1.98 m³/min) • Static Pressure: 0.120 in H_2O (29.9 Pa) • Rated Speed: 1900 RPM • Power Rating: 10 W • Current Rating: 0.110 A • Noise Level: 33 dB(A) • Bearing Type: Ball bearing • Motor Type: Shaded pole induction motor • Frame Material: Aluminum alloy • Blade Material: UL94V-O reinforced plastic • Operating Temperature Range: -10 °C to +70 °C (non-condensing) • Storage Temperature Range: -40 °C to +70 °C • Expected Life: 100,000 hours at 25 °C • Lead Wires: AWG 22, UL 3266, CSA CL 1252 • Terminals: Faston #110 or equivalent • RoHS Compliance: Yes (RoHS 3 compliant) • Weight: ~1.213 lbs (per Mouser data) • Flange mount design with panel cut-outs for inlet/outlet airflow • Counterclockwise rotation; air inlet over struts • Suitable for general ventilation, cooling, and airflow control in industrial or commercial equipment.
15038PB-A1J-EA-00_60Hz **Other known PNs that meet requirement:** 5915PC-12T-B10-A00 or 5915PC-12T-B10-A00_60Hz	• **Frame size:** 150 mm (W) × 172 mm (H) × 38 mm (D) • **Nominal voltage:** 115 VAC • **Frequency:** 60 Hz • **Airflow:** 102.3 CFM (2.9 m³/min) • **Max static pressure:** 0.243 in H_2O (60.7 Pa) • **Rated speed:** 1650 RPM • **Noise level:** 38 dBA • **Power rating:** 18 W (0.19 A at 115 V) • **Bearing type:** Ball bearing • **Life expectancy:** 100,000 h (L_{10}) at 25 °C • **Mass:** ~800 g (1.764 lbs) • **Ingress protection:** None (open design) • **Starting voltage:** 75 VAC • **IP rating:** Not specified (no sealing) • **Blade type:** Plastic (legacy part 5915PC)
3031-00948-42	1.0 MATERIAL 1.1 - FRAME SUBASSEMBLY, ALUM EXTRUSION 0.625 X 0.500, ALUM HONEYCOMB 0.500 THICK WITH 0.125 CELLS BUILD PER 77-0067-2005 1.2 - GASKET SUBASSEMBLY, NEO SPONGE 0.090 THICK WITH PSA BACKING, KNITTED FX WIRE MESH 0.090 X 0.125, INDUSTRIAL

SALIENT CHARACTERISTICS

26-SIMACQ-D20-0005 BPA

	3M BROWN ADHESIVE, COMPRESSIONS STOPS BUILD PER 77-0068-1140 GLUE MESH TO OUTSIDE OF GASKET 2.0 TOOLING 2.1 - DRILL FIXTURE --HASS MILL 2.2 - RULE DIE --FLASHCUT 3.0 FINISH 3.1 - TIN PLATE PER ASTM B-545, CLASS C 4.0 MARKING 4.1 - STAMP ON PART WHERE SHOWN 3031-00948-42 MAJR OPL74 & DATE COD
3031-00949-42	1.0 MATERIAL 1.1 - FRAME SUBASSEMBLY, ALUM SHEET .06 TK ALUM HONEYCOMB 0.250 THICK WITH 0.125 CELLS BUILD PER 77-0067-2006-A BOX 77-0067-2006-B COVER 1.2 - GASKET SUBASSEMBLY, MULTICON SILICON SOLID WITH MONEL WIRES .032" TK, COMPRESSION STOPS BUILD PER 77-0068-1141 2.0 TOOLING 2.1 - DRILL FIXTURE --HASS MILL 2.2 - RULE DIE --FLASHCUT 3.0 FINISH 3.1 - TIN PLATE PER ASTM B-545 Class C 4.0 MARKING 4.1 - STAMP ON PART WHERE SHOWN 3031-00949-42 MAJR OPL74 & DATE CODE
3031-01018-57	1.0 MATERIAL 1.1 - FRAME SUBASSEMBLY, ALUM EXTRUSION 0.625 X 0.500, ALUM FILTER MEDIA, 2X DIAMOND GRILL BUILD PER 77-0067-0696 1.2 - GASKET SUBASSEMBLY, NEO SPONGE 0.093 THICK WITH PSA BACKING, KNITTED FX WIRE MESH 0.093 X 0.125, INDUSTRIAL 3M BROWN ADHESIVE, COMPRESSIONS STOPS BUILD PER 77-0068-1194 GLUE MESH TO OUTSIDE OF GASKET 2.0 TOOLING 2.1 - DRILL FIXTURE --HASS MILL 2.2 - FLASHCUT -77-0068-1194 3.0 FINISH 3.1 - PLATE YELLOW CHROMATE PER MIL-DTL-5541F PLATE PER 21-0003-3200 4.0 MARKING 4.1 - STAMP ON PART WHERE SHOWN 3031-01018-57 MAJR OPL74 & DATE CODE
3032-00407-42	1.0 MATERIAL 1.1 - FRAME SUBASSEMBLY, ALUM EXTRUSION 0.500 X 0.625 ALLOY 6063-T4 ALUMINUM ALLOY 5052 PER MIL-C-7438 0.500 THICK WITH 0.125 STRAIGHT CELLS, ALUMINUM DIAMOND GRILL 0.054 THICK ALLOY 5005-H34 PER MIL-M-17999 B (MR) CLASS II, BUILD PER MAJR # 77-0067-1817 1.2 - GASKET SUBASSEMBLY, NEOPRENE SPONGE 0.093 THICK WITH PSA BACKING PER MIL-R-6130 TYPE 2 GRADE A, KNITTED FX WIRE MESH 0.093 X 0.125 PER ASTM B452 CLASS 40A AND ASTM B250 CLASS T40A, INDUCTRIAL 3M ADHESIVE, COMPRESSION STOPS

SALIENT CHARACTERISTICS

26-SIMACQ-D20-0005 BPA

	BUILD PER MAJR # 77-0068-0990 1.3 – STAINLESS STEEL 18-8 HEX SOCKET HEAD CAPTIVE PANEL SCREW WITH 8-32 THREAD 1.00 INCH LONG, MCMASTER-CARR PART 95966A341, MAJR # 22-0129-0049 2.0 TOOLING 2.1 - DRILL FIXTURE –NONE USE MILL PROGRAM 77-0067-1817 OPEN RELEIF USING .221ø ON DRILL PRESS 2.2 – RULE DIE 40782-1672-00001 2.3 – PUNCH FICTURE 40777-172-00001 3.0 FINISH 3.1 – TIN PLATING OVER ELECTROLESS NICKEL BASE PLATE PER ASTM B545, CLASS C 4.0 MARKING 4.1 - STAMP ON PART WHERE SHOWN 3031-0407-42 MAJR OPL74 & DATE CODE
3032-00424-42	1.0 MATERIAL 1.1 - FRAME SUBASSEMBLY, ALUM EXTRUSION 0.625 X 0.500, ALUM HONEYCOMB 0.500 THICK WITH 0.125 CELLS, 2X ALUM DIAMOND GRILL .051 THK BUILD PER 77-0067-2007 1.2 - GASKET SUBASSEMBLY, NEO SPONGE 0.090 THICK WITH PSA BACKING, KNITTED FX WIRE MESH 0.090 X 0.125, INDUSTRIAL 3M BROWN ADHESIVE, COMPRESSION STOPS BUILD PER 77-0068-1142 GLUE MESH TO OUTSIDE OF GASKET 1.3 - CAPTIVE PANEL SCREWS 12 TOTAL 22-0129-0049 8-32 2.0 TOOLING 2.1 - DRILL FIXTURE --HASS MILL 2.2 - RULE DIE --FLASHCUT 3.0 FINISH 3.1 - TIN PLATE PER ASTM B-545 CLASS C 4.0 MARKING 4.1 - STAMP ON PART WHERE SHOWN 3032-00424-42 MAJR 0PL74 & DATE CODE
71094 **Other known PNs that meet requirement:** alt EB1 or 70102 or dwg 8749351	• All-in-one read and write solution for CDs, DVDs and Blu-ray discs* • Compatible with BDXL discs - capacities up to 100GB • Maximum write speeds of 6X for Blu-ray, 8X for DVD and 24X for CD • Compact and lightweight for easy travel • M DISC Ready - perfect archival solution with industry-leading disc lifetime expectancies • Compatible with Windows and Mac OS • USB 3.2 Gen 1 performance with USB 2.0 compatibility • Includes USB Type-C® adapter
92100142 **Other known PNs that meet requirement:** 92100142H	• **Type:** Enclosed AC/DC Converter (offboard) • **Number of Outputs:** 4 • **Output Voltages:** 1. 5 V (up to 50 A) 2. 3.3 V (up to 30 A) 3. 12 V (up to 10 A) 4. −12 V (up to 3 A) • **Total Output Power:** ~500–505 W

SALIENT CHARACTERISTICS

26-SIMACQ-D20-0005 BPA

	• **Input Voltage Range:** 90 VAC to 264 VAC (universal input)
	• **Mounting Type:** Rack mount (enclosed form factor)
	• **Applications:** ITE (Industrial, Test, and Evaluation) and commercial systems
	• **Features:**
	  • Hot swappable outputs
	  • Universal AC input
	  • No minimum load required
	  • CE, cULus, TUV approvals
	  • ROHS3 compliant, REACH unaffected
	• **Efficiency:** Not specified in public specs
	• **Environmental Compliance:** RoHS3, REACH, MSL 1 (unlimited)
	Variants
	• **92100142:** Standard enclosed rackmount model with 50 A, 30 A, 10 A, 3 A outputs.
	• **92100142H:** Frontend AC/DC converter variant with 50 A, 30 A, 15 A, 5 A outputs, load sharing, PFC, and Compact PCI® mounting.

ADS-15512	• OUTPUT NUMBER CH1 CH2 • DC VOLTAGE 12V 5V • RATED CURRENT 11.5A 3A • CURRENT RANGE 0 ~ 12.5A 0 ~ 3A • RATED POWER 153W • RIPPLE & NOISE (max.) Note.2 150mVp-p 100mVp-p • VOLTAGE ADJ. RANGE CH1:10.8 ~ 13.2V • VOLTAGE TOLERANCE Note.3 ±2.0% ±3.0% • LINE REGULATION ±0.5% ±0.5% • LOAD REGULATION ±1.0% ±2.0% • SETUP, RISE TIME 1000ms, 90ms/230VAC 2000ms, 90ms/115VAC at full load • HOLD UP TIME (Typ.) 24ms/230VAC 20ms/115VAC at full load • VOLTAGE RANGE 88 ~ 264VAC 124 ~ 370VDC • FREQUENCY RANGE 47 ~ 63Hz • POWER FACTOR (Typ.) PF>0.92 • EFFICIENCY (Typ.) 77% • AC CURRENT (Typ.)2.5A/115VAC 1.5A/230VAC • INRUSH CURRENT (Typ.) COLD START 23A/115VAC 45A/230VAC • LEAKAGE CURRENT <1mA / 240VAC • OVERLOAD 105 ~ 135% rated output power Protection type : Constant current limiting, recovers automatically after fault condition is reoved • OVER VOLTAGE CH1:13.8 ~ 16.2V Protection type : Shut down o/p voltage, re-power on to recover • WORKING TEMP. -10 ~ +60℃ (Refer to "Derating Curve") • WORKING HUMIDITY 20 ~ 90% RH non-condensing • STORAGE TEMP., HUMIDITY -20 ~ +85℃, 10 ~ 95% RH • TEMP. COEFFICIENT ±0.03%/℃ (0 ~ 50℃) • VIBRATION 10 ~ 500Hz, 2G 10min./1cycle, 60min. each along X, Y, Z axes • SAFETY STANDARDS UL62368-1, TUV BS EN/EN62368-1, EAC TP TC 004 approved • WITHSTAND VOLTAGE I/P-O/P:3KVAC I/P-FG:2.0KVAC O/P-FG:0.5KVAC • ISOLATION RESISTANCE I/P-O/P, I/P-FG, O/P-FG:100M Ohms / 500VDC / 25℃/ 70% RH • EMC EMISSION Compliance to BS EN/EN55032 (CISPR32) Class B, BS EN/EN61000-3-2,-3, EAC TP TC 020 • EMC IMMUNITY Compliance to BS EN/EN61000-4-2,3,4,5,6,8,11, BS EN/EN55035, light industry level, EAC TP TC 020

SALIENT CHARACTERISTICS

26-SIMACQ-D20-0005 BPA

	• MTBF 2235.6K hrs min.Telcordia SR-332 (Bellcore) ; 252.1K hrs min. MIL-HDBK-217F (25℃) • DIMENSION199*110*50mm (L*W*H) • PACKING 1Kg; 16pcs/16Kg/0.95CUFT
AFL3-S500	• **Capacity:** 500 GB (also available in HDD and higher SSD capacities). • **Encryption:** Real-time **256bit AESXTS** hardware based encryption, **FIPS 1402 Level 3 validated** for NIST compliance. • **Security:** Integrated **10digit PIN keypad** for onboard authentication. ○ **Forced enrollment** to prevent unauthorized use. ○ **Autolock** after unattended periods. ○ **Bruteforce defense** with self destruct after multiple failed PIN attempts. ○ **Admin/User modes** and **drive reset** feature. • **Performance:** Up to **5 Gb/s** data transfer over USB 3.1 Gen 1; some specs list up to **370 MB/s** read/write speeds. • **Durability:** Aircraft grade **6061 aluminum alloy** enclosure, shock/vibration resistant, operating temperature range **40 °C to +70 °C**. • **Connectivity:** USB 3.1 Gen 1 (USB 3.2 Gen 1 equivalent) with TypeA and TypeC cables included. • **Compatibility:** Cross platform (Windows, Mac, Linux, Android, Chrome) and works in environments without a keyboard. • **Design:** Compact, wear resistant keypad, IP certification pending. • **Other:** 8 MB buffer, 0.1 ms access time, TAA compliant.

BASE-WIRED
Other known PNs that meet requirement:
Base 5
	• Onboard temperature sensor.
	  • - Built-in web server.
	  • - Alerting via email, voice call or SMS.
	  • - Industrial protcols: SNMP and Modbus TCP
	  • - Web API protocols: JSON and XML.
	  • - DHCP or static IP.
	  • - PoE built-in, optional AC adapter or USB power adapters.
	  • - Ultra low power usage (< 0.5W).
	  • - Runs locally
	  • - no Internet connectivity required to operate.
	  • - Stand-alone device: no software needed.
	  • - Fully responsive web interface for desktop, tablet or smart phone.
	  • - User configurable firewall for enhanced security.
	  • - Industrial grade: UL Listed, FCC and CE certified.
	• TCP/IP: IPv4 at 10/100 Mbps.
	• Power Source: PoE: IEEE 802.3af or BASE-PWR (Optional AC power adapter) or BASE-PWR-USB (USB power adapter)
	• Power Usage: 1500mW (without sensors attached).
	• Network Data Transfer SNMP GET (50 - 130 bytes) , SNMP Trap (143 - 280 bytes)
	• Built-in: web server, SNMP v1, v2 & v3 (MD5/AES), Modbus TCP.
	• Built-in alerting options: Email, SMS (over IP) & SNMP Traps.
	• External sensors probes: 2 sensor probes through straight RJ45 CAT6/7 cable with max distance of 100m or 330ft
	• (subject to cable quality and interference).
	• Max distance to switch: CAT6/CAT7 up to 100m / 300ft
	• Temperature Resolution: 0.1°C / 0.18°F
	• Temperature Reading: "-55°C to +125°C (-67°F to +257°F) / SensorGateway operates up to 75C / 167°F
	• Temperature Accuracy: +/- 1°C (+/- 2°F) over 0°C to +75°C / 32°F to 167°F.
	• Operating temperature range 0°C to +75°C (+167°F).
	• Humidity (operating and storage) –

SALIENT CHARACTERISTICS

26-SIMACQ-D20-0005 BPA

	• < 90% rH (non-condensating). • Dimensions 70 mm (2.7") x 88 mm (3.4") x 22 mm (0.8"). • Weight 0.21 kg (0.46 lbs.)

BU40N	• Ultra Slim Blue-ray/DVD Writer
	  • M-DISC™ SUPPORT
	  • MAX 8X DVD±R WRITE SPEED
	  • TV Connectivity
	  • WINDOWS 10 COMPATIBLE
	• Transfer Rates Read (MAX)
	  ○ BD-R (SL/DL) 6x CAV
	  ○ DVD-ROM (SL/DL) 8x CAV
	  ○ BDMV (AACS Compliant Disc) (SL/DL) 6x CAV
	  ○ DVD-RAM 2x, 3x CLV, 5x PCASV
	  ○ DVD+RW 8x CAV
	  ○ CD-DA 24x CAV
	  ○ BD-R (SL/LTH) 6x CAV
	  ○ CD-R/RW/ROM 24x / 24x / 24x CAV
	  ○ BD-R (TL/QL) 6x CAV
	  ○ DVD +R (SL/DL) 8x CAV
	  ○ BD-RE (SL/DL) 6x CAV
	  ○ BD-RE (TL) 4x PCAV
	  ○ DVD-Video (CSS Compliant Disc)(SL/DL) 8x CAV
	  ○ BD-ROM (SL/DL) 6x CAV
	• Transfer Rates Write (MAX)
	  ○ BD-R (SL) 2x CLV, 4x PCAV, 6x CAV
	  ○ M-DISC BD (BD-R) 2x CLV, 4x PCAV
	  ○ BD-R (LTH) 2x CLV, 4x PCAV, 6x CAV
	  ○ DVD+R (DL) 2.4x CLV, 6x ZCLV
	  ○ BD-R (QL) 2x CLV, 4x PCAV
	  ○ M-DISC DVD (DVD+R) 4x PCAV
	  ○ DVD-RAM 2x, 3x CLV, 5x PCAV
	  ○ DVD+R (SL) 2.4x CLV, 4x PCAV, 8x CAV
	  ○ BD-R (TL) 2x CLV, 4x PCAV
	  ○ CD-RW 4x, 10x CLV, 16x ZCLV
	  ○ BD-R (DL) 2x CLV, 4x PCAV, 6x CAV
	  ○ CD-R 10x CLV, 16x PCAV, 24x CAV
	  ○ DVD+RW 2.4x, 3.3x CLV, 4x, 6x, 8x ZCLV
	  ○ BD-RE (SL/DL/TL) 2x CLV
	• Sustained Transfer Rate
	  ○ BD-ROM 26.97 MB/s (6x) max.
	  ○ CD-ROM 3.6 MB/s (24x) max.
	  ○ DVD-ROM 11.08 MB/s (6x) max.
	• Access Time (1/3 Stroke)
	  ○ DVD-ROM 200ms typ.
	  ○ CD-ROM 200ms typ.
	  ○ BD-ROM 250ms typ.
	• Buffer Size 4MB Buffer Under-run prevention function embedded
	• Compliance
	  ○ RoHS – Yes
	  ○ TUV EN 60950-1 / EN60825-1
	  ○ SEMKO EN 60950-1 / EN60825-1
	  ○ Laser Safety - Class 1 laser product comply with DHHS rules 21 CFR Subchapter J Class 1 laser product to EN60825-1 / IEC 60825-1
	  ○ EMC - CE Marking, C-Tick Mark, BSMI, FCCI, KC, CU, FCC Part 15 Class B Digital Device, ICES-003 Digital Apparantus
	  ○ C-UL CSA C222 No. 60950-1 Second Edition
	  ○ Safety UL UL 60950-1 Second Edition

SALIENT CHARACTERISTICS

26-SIMACQ-D20-0005 BPA

	• Jamless Play • Silent Play • Host Interfact – Internal (Drive) SATA • Operating Systems - Windows 10, Windows 8.1, Windows 8, Windows 7, Windows Vista, Windows XP
C410/YDN	Print speed - Color: up to 42 ppm Black: up to 42 ppm Two-sided output - Standard Monthly print volume - Up to 10,000 pages Duty cycle - Up to 125,000 images/month Processor speed - 1.0 GHz Print memory (standard) - 1000 MB standard Connectivity - Gigabit Ethernet, Hi Speed USB 2.0 (Type A), Hi Speed USB 2.0 (Type B) (optional: Wireless Network Adapter (802.11 b/g/n/ac)) Maximum print resolution - 1200 x 1200 dpi, 4800 Color Quality First-page-out time, printing - As fast as 6.1 seconds black and white / 6.4 seconds color Page Description Languages (PDL) - Direct Image, PCL® 5 Emulation, PCL® 6 Emulation, PDF v1.7 Emulation, PostScript® 3 Emulation Print features - Booklet Layout, Collation, Draft Mode, Duplex, Earth Smart Settings, N-up, Normal, One Touch UI, Orientation, Print Job ID in Margins, Print Quality, Rotate Image 180 Degrees, Saved Settings, Saved and Sample Set Job Types, Secure, Tray and Toner Status, Watermark OS support - Microsoft Universal Print, Windows Server 2012, Windows Server 2012 R2, Windows Server 2019, Windows Server 2022, Windows® 10, Windows® 11, macOS 11.x, macOS 12.x, macOS 13.x Paper capacity Tray (Main tray): 250 sheets Tray (Manual feed slot): 1 sheets Tray (Multipurpose Feeder) (optional): 100 sheets Tray (550-sheet Feeder) (optional): 550 sheets Paper size Tray (Main tray): Custom sizes: 3.8 x 5.8 in. to 8.5 x 14 in. (98 x 148 mm to 216 x 356 mm) Tray (Manual feed slot): Custom sizes: 3 x 5 in. to 8.5 x 14 in. (76 x 127 mm to 216 x 356 mm) Tray (Multipurpose Feeder) (optional): Custom sizes: 3 x 5 in. to 8.5 x 14 in. (76 x 127 mm to 216 x 356 mm) Tray (550-sheet Feeder) (optional): Custom sizes: 5.83 x 8.27 in. to 8.5 x 14 in. (148 x 210 mm to 216 x 356 mm) Output capacity - 125 sheets Media types - Plain Paper, Light Paper, Heavy Paper, Card Stock, Labels (Paper Labels), Envelopes, Colored Paper, Letterhead, Preprinted, Bond, Glossy, Rough/Cotton, Recycled Security features - Access Controls, Certificate Management, Confidential Print, Digitally Signed Firmware Updates, FIPS 140-2, Image Overwrite, Non-Volatile Memory Wipe, Port Filtering, Protected USB Ports, Secure Password Reset, TCP Connection Filtering, TLS 1.3, Trusted Platform Module (TPM), WPA3 Support

SALIENT CHARACTERISTICS

26-SIMACQ-D20-0005 BPA

	Minimum dimensions (WxDxH) - 17.9 x 16.6 x 12.5 in. (455 x 423 x 318 mm) Weight - 45.3 lb (20.6 kg) Temperature (operating) 50 - 90 ° F (10 - 32 ° C) Relative humidity (operating) 20 - 80 % RH (noncondensing)
CCG012	• Rugged, locking pin headers • COM Express® Type 6 compatibility • Mini-PCIe Expansion, USB 2.0, DisplayPort++ • Small size, 95mm x 125mm • Supports latest Intel® processor sets • Extended Temperature Range -40°C to +85°C • Connect Tech's COM Express® Type 6 Rugged Ultra Lite Carrier Board is a compact carrier board which matches the dimensions of a COM Express® Basic module and offers the ultimate durability with locking, rugged pin headers. • COM Express® Type 6 Rugged Ultra Lite Carrier Board is ideal for space constrained applications, harsh environments, demanding conditions and supports extended temperature ranges of -40°C to +85°C. Specifications • Compatibility: COM Express® Type 6, PCIMG COM Express® COM.0 R2.0 • Mini PCIe/mSATA : 1x SIM Card Expansion, 2 slots (with PCIe, USB and SATA connections) • Storage : 2x External Vertical Locking SATA Connector, 2x mSATA • Network : 2x Gigabit (10/100/1000) Ports • GPIO : 8-bit GPIO • USB : 8x USB 2.0 • Display : 1 x LVDS interface (single ch 24-bit, dual ch 48-bit), 1x VGA, 2x DDI • Audio : HD Audio (Cirrus Logic CS4207 codec), 1x stereo input, 1x stereo output • Serial : 1x Console RS -232 port (TX/RX), 2x RS-232, 2x RS-422/485 • Misc : Battery Low Indication, I2C, PC speaker Interface, SMBus, System Status (S3 and Reset Outputs) • Power Requirements : Input: Single +12V input +/- 5% (5mm pitch terminal connector), On-board RTC Battery 3V 48mAh (with option to select from RTC external battery) • I/O Connector Type : All low-profile shrouded locking ruggedized 2mm pitch headers, Can be mated to panel mountable cable set or MIL type connectors • Operating Temperature : -40°C to +85°C (-40°F to +185°F) • Dimensions : 125mm x 95mm
CD03-GTS-14VDC	Overall Length: 1.140 MAX Lens length: .265 Pin length: .203 Voltage: 14-volt direct current system Lens – high strength plastic Housing - Anodized Aluminum Header – High dielectric molded nylon Lens color – Green translucent Lens type – short flat lens design Finish - Silver
CD03-GTS-6VDC	Overall Length: 1.140 MAX Lens length: .265 Pin length: .203 Voltage: 6-volt direct current system

SALIENT CHARACTERISTICS

26-SIMACQ-D20-0005 BPA

	Lens – high strength plastic Housing - Anodized Aluminum Header – High dielectric molded nylon Lens color – Green translucent Lens type – short flat lens design Finish - Silver
CD03-RTS-14VDC	Overall Length: 1.140 MAX Lens length: .265 Pin length: .203 Voltage: 14-volt direct current system Lens – high strength plastic Housing - Anodized Aluminum Header – High dielectric molded nylon Lens color – Red translucent Lens type – short flat lens design Finish - Silver
CR2032	The **CR2032** is a **lithium/manganese dioxide coin cell** designed for long-life, reliable power in small devices. **Key Features** • **High capacity & energy**: Industry-leading cell capacity for its size, with nominal capacities around **245–265 mAh** and **~735–745 mWh**. • **High voltage response**: Stable output voltage over most of its lifetime. • **Low self-discharge**: <1–2% loss after 1 year at +20 °C. • **Excellent corrosion resistance**. • **Child-safe design**: Non-toxic bitter coating on both terminals and child-resistant packaging. • **Compliance**: Meets IEC 60086-4, UN 38.3, REACH, ISO 9001, and Duracell World Class Continuous Program standards. • **Durability**: Passes rigorous safety tests (altitude, thermal cycling, vibration, shock, crush, etc.). **Electrical Characteristics** • **Nominal voltage**: 3.0 V (open circuit ~3.2 V at +20 °C). • **Nominal capacity**: ~245–265 mAh (15 kΩ continuous load, 2.0 V cut-off). • **Standard continuous discharge**: 0.3–0.5 mA. • **Max continuous discharge**: 3–6 mA. • **Max pulse discharge (1 s)**: 50–20 mA. • **Nominal energy**: ~735–745 mWh. • **AC impedance @ 1 kHz**: ~11–20 Ω. **Physical Characteristics** • **Dimensions**: 20.0 mm diameter × 19.7 mm height (IEC/ANSI). • **Typical weight**: ~2.8–3.14 g. • **Li metal content**: ~0.06–0.07 g. • **Case**: Ni-plated stainless steel. **Operating & Storage Conditions** • **Operating temperature range**: -20 °C to +60 °C (some datasheets list -30 °C to +70 °C). • **Storage temperature**: 5 °C to 30 °C (41 °F to 86 °F). • **Storage humidity**: <70% (optimal). • **Durability**: Guaranteed for 10 years in storage.
D15B	• **Design & Mounting:** ○ Specifically engineered for **DHN or DHO holders** (rear mounting, 3/8" hole). ○ Matches the **terminal pin position** of standard C-lite lens marking orientation. ○ Available in multiple terminal styles: **turret pin**, **solder cup**, and **solder lug**. • **Compatibility:** ○ Securely retains **CF, CG, or CR series C-lite cartridges**.

SALIENT CHARACTERISTICS

26-SIMACQ-D20-0005 BPA

	○ Works with **CD–LED** lamps in the same holder configuration. ○ Part of a complete assembly with the lampholder; the collar can be removed and replaced. • **Material & Construction:** ○ **Anodized aluminum bushings** for the lampholder base. ○ High-temperature plastic lens caps (when paired) for durability and heat resistance. • **Lens Cap Pairing:** ○ The D15 collar is paired with a lens cap (e.g., D06, D07, D09) depending on the C-lite style and lens clarity requirements. ○ Lens caps are designed to rotate for alignment of lens markings after installation. • **Military & Standards:** ○ Eldema D-series parts meet **MIL-L-3661** specifications for certain lens cap types. ○ D15B is part of a military-grade lighting system (FSC 6240, CAGE Code 1EPT9).
DIG-SSD220006-SI **Other known PNs that meet requirement:** 8749355	• **Security Certification:** ○ FIPS 140-2 Level 2 cryptographic module ○ Compliant with **TCG OPAL SSC** protocol for self-encrypting drives ○ Supports **AES-256 hardware-level encryption/decryption** at the NAND flash level ○ Meets stringent physical security, firmware integrity, and cryptographic requirements • **Form Factors & Interfaces:** ○ Available in **2.5" SATA** and **M.2 SATA/PCIe Gen 3x4 NVMe** configurations ○ SATA III interface up to **6 Gbps** • **Encryption & Authentication:** ○ On-the-fly AES encryption/decryption for all stored data ○ Supports **pre-boot authentication (PBA)** and multifactor authentication for secure OS/VM boot ○ Compatible with CAC/PIV/CIV tokens and USB/YubiKey authentication • **Performance:** ○ SATA: Read up to **550 MB/s**, Write up to **530 MB/s** ○ NVMe: Read up to **3,400 MB/s**, Write up to **3,100 MB/s** ○ High sustained throughput for commercial workloads • **Reliability & Durability:** ○ Advanced flash management (wear leveling, bad block management, TRIM) ○ MTBF > 1,600,000 hours • **Compliance & Standards:** ○ **TAA-compliant** for U.S. government use ○ RoHS, FCC, UL, CE compliant ○ Meets federal cybersecurity requirements for data at rest • **Temperature Range:** ○ Operation: **0°C to 70°C** ○ Storage: **-40°C to 85°C**
DZ300-1EC	Input Voltage……..…...90VAC to 264VAC Input Frequency……..47Hz to 63Hz Power Factor……..…>0.95 Inrush Current (cold)……...……Less than 30A at 110VAC or 60A at 220VAC cold start, 25°C Operating Temperature……..……..0 to 70ºC De-rated 2.5%/°C >50°C Storage Temperature……..……−20ºC to 85ºC Cooling……..…Free Air Convection for 300W 18CFM for 360W Efficiency……..80-90% Typical Holdup Time……>20ms Overvoltage Type……Latch off Overload Protection……..……..…..Auto recovery Short Circuit Protection……..…..Auto recovery Designed in full compliance with…….…...UL 60950 1 CSA 22.2 #234

SALIENT CHARACTERISTICS

26-SIMACQ-D20-0005 BPA

	TUV EN60950 1 EMI……..……FCC “B” EN55022 “B” Harmonics……..……EN61000 3 2 class D EMS……...EN61000-4 -2, -3, -4, -5, -6, -8, -11 OUTPUT SPECS WATTS: 300 1) Voltage (Vdc): +5V / Load (A): Min. = 0, Rate = 32, Peak: 45 / Tolerance: 1% / Ripple & Noise: 50mV / Regulation: Line: +/-1%, Load +/-1% 2) Voltage (Vdc): +12V / Load (A): Min. = 0, Rate = 10, Peak: 14 / Tolerance: 5% / Ripple & Noise: 100mV / Regulation: Line: +/-1%, Load +/-1% 3) Voltage (Vdc): -12V / Load (A): Min. = 0, Rate = 1, Peak: 2 / Tolerance: 5% / Ripple & Noise: 100mV / Regulation: Line: +/-1%, Load +/-1%
ENV-TEMP	General Description Key Features - Plugs into the base unit (BASE-WIRED). - Powered by the base unit (BASE-WIRED). - Compact plug & play sensor. - 0U rack or wall mountable. - Steel enclosure. Industrial Grade. - Alerts via SNMP Traps, email, SMS or voice calls. - optional calibration certificates available. Technical Specifications Our basic temperature sensor to monitor your critical facility Power Source: SensorGateway (BASE-WIRED) Power Usage 60 mW Temperature Resolution: 0.1°C (0.18)°F precision Temperature Accuracy: +/- 0.5ºC (+/- 0.9 ºF) from -10°C to +85°C / 14°F to 185°F Temperature Reading: -55°C to +125°C (-67ºF to +257ºF) Reading Unit in Celsius or Fahrenheit Operating temperature range 0°C to +75°C (32°F to +167°F) Humidity (operating and storage) < 90% rH (non-condensating). Dimensions 74 mm (2.9") x 66 mm (2.59") x 22 mm (0.8") Weight 0.12kg (0.26 lbs.)
FA10250	AMETEK RUGGED UPS FA10250 — Salient Characteristics 3000 VA, 2700 W, 115 VAC at 60 Hz input and 115 VAC at 60 Hz output, double conversion, rugged, high temperature, isolated, on-line UPS with hot swap battery drawer, with power factor correction for Navy shipboard applications. Key Specifications & Features: • Technology: On line (double conversion) UPS — provides continuous power transfer without transfer time • Battery Configuration: Hot swap lead acid battery drawer for maintenance without downtime • Battery Chemistry: Lead (Pb) acid • Chassis: 2U rackmount for space efficient installation • Environmental Rating: Rugged, high temperature operation suitable for harsh marine environments • Isolation: Fully isolated output for safety and noise reduction • Power Factor Correction: Integrated to improve efficiency and reduce harmonic distortion TYPE SPECIFICATION Power Rating 2700-6000 Watts Chassis Configuration 2U Rackmount Input Voltage 115 VAC Output Voltage 115 VAC Input Connector Circular Mil Output Connector Circular Mil

SALIENT CHARACTERISTICS

26-SIMACQ-D20-0005 BPA

	Communication SNMP Summary: The FA10250 is a compact, rugged, and high temperature rated UPS with hot swap battery capability, making it ideal for mission critical applications where continuous, clean power is essential and environmental conditions are severe. Its double conversion design ensures minimal transfer time and high reliability, while its integrated power factor correction enhances efficiency.
FB00031	FEATURES AND BENEFITS Rugged & Extreme Environments All Intelli Power systems utilize circuit boards, chassis and components that are specifically designed for extreme environments. In today's marketplace, repackaged commercial products are often billed as "rugged" and/or "built for harsh environments". Each component in our systems is specifically selected or designed based upon proven performance in harsh indoor and outdoor applications. Cutting Edge Technology Our digital double conversion on-line UPS, power conditioner and frequency/voltage converter solutions utilize high-efficiency power switching and galvanic isolation which provides ideal electrical output performance. Systems are available with global voltage inputs & outputs, AC inputs & outputs, and DC inputs & outputs. You will be able to utilize any power source. Intelli Power offers power management software along with many standard communications protocols such as SNMP with OID and MIB Support, RS-232, Ethernet/IP – Common Industrial Protocol (CIP), MODBUS and Dry/Discrete Contacts. The sum total of these technological features equals the ultimate protection for your electronic equipment. Robust Product Portfolio No other UPS company offers 2,000+ variations. Utilizing Intelli Power's building block methodology, more product features and functionality are provided; without having to extend lead times or change proven designs. Over the past 25 years, Intelli Power has developed its electronics hardware, firmware, embedded software and enclosure technology in house, which provides us with a unique capability to meet virtually any of your application requirements to include completely sealed systems. Designed and Manufactured in the USA The engineering and technological expertise within Intelli Power has enabled us to develop and field test products since 1988 to 100% user satisfaction. For you, this translates into shorter lead times from design to shipping as well as personalized service and support. Our mission is to provide you with the highest standard of customer support and quality control. ISO 9001: 2008 Certified Intelli Power is committed to customer satisfaction by delivering power system solutions and services that meet or exceed customer requirements through design innovation and continuous improvement. Enclosure Type: Hot Swap drawer Enclosure Dimensions: 3.2"H x 8.48"W x 18.2"D Enclosure Material and Finish: steel, powder coated charcoal gray Connector(s) EBP Group 1: 1 Straight Pin Domino self aligning Battery Type: 12V/5.2Ah Lead-Acid (VRLA), Battery P/N: CSB12580 Battery Quantity Total: 8 Battery Strings Quantity Total: 1 Battery Voltage per String: 96 VDC Battery Runtime: 5 Minutes @ 2700 Watts Battery Mounting: Hot Swap Drawer Weight 38 Lbs (17.2Kg)

SALIENT CHARACTERISTICS

26-SIMACQ-D20-0005 BPA

	Temperature Operating: -15C to +50C Humidity: 5 to 95% non-condensing
FOI-4411-R-ST	Overview Used in pairs, the FOI-4141 (to DCE) and FOI-4411 (to DTE) provide end-to-end conversion, extension and electrical isolation of RS-232 circuits up to a maximum data rate of 1Mbps. Multimode optics extends the distance to 2km, while single mode optics extends the distance to 20km. These units are transparent to all handshaking protocols and accept data and clock signals. A regeneration switch on the FOI-4141 allows users to toggle between synchronous applications that require send timing (ST) and asynchronous or synchronous applications that require terminal timing (TT). The units support tail circuit and null modem functions for DCE to DCE or DTE to DTE communications. An alternate interface (V.35 or RS-422) may be installed at the opposite end, allowing the user to create a link between two electrically incompatible interfaces without requiring a separate interface converter. The units can be used in areas of high electrical noise or in and out of RF shielded enclosures. The fiber optic cable is not susceptible to interference caused by impulse noise, crosstalk, or EMI. Patton recommends “T” units for high security applications because they have been TEMPEST tested and approved. FOI units can be mounted in several redundant powering chassis; rack and wall mount options including Tempe stand NEMA alternatives. Features Serial Data to Fiber supporting TIA/EIA -232, -423, -694,-723 and MIL-STD-188C Supports Data Rates from DC to 1 Mbps Multimode extension of up to 1.2 miles (2 km) Single mode extension up to 12.4 miles (20 km) Tail circuit and null modem functions for DCE to DCE or DTE to DTE Can be paired with other FOI with V.35 or RS-422interfaces for interface conversion Rugged metal enclosures with RFI shielding
FOI-4451-R-ST	Overview Used in pairs, the FOI-4451 (to DCE) and FOI-4541 (to DTE) Serial to Fiber Converters provide end-to-end conversion, extension, and electrical isolation of EIA-530/RS-422circuits. Multimode optics extends the distance to 2km, while single mode optics extends the distance to 20km. TheFOI-4451 and FOI-4541 both provide complete electrical isolation for RS- 422 communications. The units can be used in areas of high electrical noise or in and out of RF shielded enclosures. The fiber optic cable is not susceptible to interference caused by impulse noise, crosstalk, or EMI. Privacy of communications is also enhanced because the fiber optic cable does not radiate any emissions. Patton recommends “T” units for high security applications because they have been TEMPEST tested and approved. The Serial to Fiber Converters are transparent to all hand shaking protocols and can accept data and clock signals up to 6.144 Mbps. A regeneration switch on the FOI-4451 enables users to toggle between synchronous applications that require send timing (ST), and asynchronous or synchronous applications that require terminal timing (TT). They support tail circuit and null modem functions for DCE to DCE or DTE to DTE communications. An alternate interface (V.35 or RS-232) may be installed at the opposite end creating isolated interface converter. Applications A typical link consists of an FOI-4451 at the Data Communication Equipment (to DCE) and an FOI-4541 at the Data Terminal Equipment (to DTE) with a duplex fiber optic cable between them. Features • Extends and Isolated EIA-530/RS-422 (MIL-STD-188-114Aand FED STD 1030A) Serial Data Over Fiber • Multimode extension of up to 1.2 miles (2 km), single mode extension up to 12.4 miles (20 km) • Single mode extension up to 12.4 miles (20 km)

SALIENT CHARACTERISTICS

26-SIMACQ-D20-0005 BPA

	• Separate unit for DCE and DTE: FOI-4451 (to DCE) andFOI-4541 (to DTE) • Supports Data Rate from DC to 6.144 Mbps • Tail circuit and null modem functions for DCE to DCE or DTE to DTE • Pairs with other FOI with V.35 or RS-232 interfaces for interface conversion
FSP500-50FDB	Certified CB 62368-1 & CB 60950-1 Meet 80 Plus Gold Design for 5,000 Meter above sea level High Reliability Low Ripple & Noise Over Current Protection Over Temperature Protection Over Voltage Protection DESCRIPTION FSP500- SAFETY STANDARD APPROVAL GENERAL SPECIFICATIONS • Dimension (L x W x H): 150 x 81.5 x40.5(mm) • Environment 5.9x 3.21 x 1.59 (inch) • Working temperature: 0°Cto 50°C • Storage temperature: -20°C to + 80°C • Efficiency: 80 Plus Gold • Working humidity: 90% RH non-condensing • Storage humidity: 90% RHnon-condensing • Hold-uptime: 115V / 60Hz: ≥16ms 230V / 50Hz:≥16ms • MTBF: 100,000 hours of continuous operation at 25°C, Max,-output load • Operating altitude: 5,000 meters above sealevel • Applications: Workstation ,Storage System ,IPC Controller **INPUTSPECIFICATIONS** Input voltage: 90-264Vac Input frequency: 47-63Hz Input current: 115Vac @ 6A, 230Vac @ 3A
I226-T1	Intel® Ethernet Network Adapter I226-T1 — Key Characteristics The Intel® Ethernet Network Adapter I226-T1 is a PCIe 3.1 x1 ultra compact Ethernet adapter designed for performance PCs, workstations, and enterprise, gaming, and home networks that need bandwidth beyond 1 GbE . Core Specifications & Features • Interface: PCIe 3.1 x1, 5 GT/s bandwidth • Speeds: Supports 2.5 GbE, 1 GbE, 100 MbE, and 10 MbE without changing cabling • Port: Single RJ 45 port, compatible with CAT5e, CAT6, or CAT6A cables up to 100 m • Auto negotiation: IEEE 802.3 auto negotiation for speed, duplex, and flow control • Flow Control: IEEE 802.3x/802.3z compliant, with software controllable Rx thresholds and Tx pause frames • Packet Handling: 4 Tx/Rx queues per device for efficient prioritization and load balancing in multi core systems • Checksum Offload: Supports IP, SCTP, TCP, and UDP checksum offload (IPv4/IPv6) to reduce CPU load • Power Management: • Active State Power Management (ASPM) with compliance bit • Full wake on LAN (APM) • ACPI v2.0c support, D0/D3 states, and power managed speed control • Design: Ultra compact footprint, ventilated bracket for efficiency and reduced power consumption • Environmental Compliance: Lead free, low halogen, environmentally friendly Performance & Use Cases • Optimized for low CPU overhead via advanced interrupt handling and intelligent packet routing

SALIENT CHARACTERISTICS

26-SIMACQ-D20-0005 BPA

	• Suitable for online gaming, remote work, and high bandwidth applications due to stable, low latency connectivity • Easy integration into existing systems without cabling upgrades Summary: The I226 T1 is a cost effective, low power, single port 2.5 GbE adapter ideal for systems needing more than 1 GbE but not requiring 10 GbE. It offers flexibility, efficiency, and plug and play compatibility across multiple operating systems. Cable Medium: Copper Cabling Type: CAT5e, CAT6, CAT6A Bracket Height: Low profile and full height Networking Specifications Port Configuration: Single Data Rate Per Port: 10/100/1000/2.5GBASE-T(TX) Speed & Slot Width: 5 GT/s, x1 Lane Controller: Intel(R) Ethernet Controller I226 Package Specifications System Interface Type: PCIe 3.1 (5 GT/s)
KSM24RD4/32MEI **Other known PNs that meet requirement:** ML19200-324K01-G)	32GB (1X32GB) 1.2V DDR4 2400MHZ PC4-19200 LRDIMM 2RX4 SKU: ML19200-324K01-G _____ Size: 32GB (1X32GB) Voltage: 1.2V Technical Specifications Module Density: 32GB Form Factor: LRDIMM Technology Speed: DDR4 2400MHz PC4-19200 Rank: 2Rx4 Voltage: 1.2V ECC: ECC Buffered: Buffered Description NEMIX RAM DDR4 2400MHZ PC4-19200 LRDIMM 2RX4 are manufactured using JEDEC standard 7-layer PCB Board built with Tier 1 chipset such as Samsung Micron or Hynix DRAM.
KV2004A	Black Box KV2004A — Salient Characteristics The Black Box KV2004A is a 4 port Wizard Desktop KVM switch designed for high end video and peripheral sharing between multiple computers. Key salient features: • High end video support: Switches up to four computers that support DVI I video, USB keyboard/mouse, and analog audio. • Resolution support: • DVI D: up to 2560×1600 @ 60 Hz (or 2048×2048 @ 60 Hz) • VGA: up to 1920×1200. • USB True Emulation: Passes the full characteristics of connected USB peripherals (including keyboards and mice) to each system, avoiding limitations of traditional emulations. This enables instantaneous switching and hotkey support. • Peripheral sharing: Shares any four USB peripherals (e.g., keyboards, mice, USB drives) among the four systems. • Audio switching: Supports stereo audio that can be switched independently from the video signal. • Switching methods: • Front push buttons • Keyboard/mouse hotkeys • RS 232/V.24 protocol • Synchronous switching with other ServSwitch Wizard units via the options port. • True DDC/EDID support: Ensures correct display mode detection and configuration. • USB 2.0 transparency: Combines transparent USB 2.0 protocol with emulated keyboard/mouse control, plus dedicated USB ports for other peripherals. • No OSD switching: Does not support On Screen Display switching.

SALIENT CHARACTERISTICS

26-SIMACQ-D20-0005 BPA

	• No video format conversion: Maintains the native video format of each connected system. • Operating temperature: 32 °F to 122 °F (0 °C to 50 °C). Wizard KVM Switch - Single-Monitor, DVI-D Dual-Link, USB True Emulation, Audio, 4-Port Share high-end video and any four USB peripherals between up to four workstations. KVM Switch - Single-Monitor, DVI-D Dual-Link, USB True Emulation, Audio, 4-Port Summary: The KV2004A is a high performance KVM switch ideal for environments needing fast, reliable switching between multiple high resolution displays and USB devices, with true USB emulation for full peripheral recognition and hotkey functionality. • Enables to switch up to four computers • Access up to four computers that support DVI-I video, USB keyboard and mouse, and analog audio • Switch ports using front push buttons, mouse, and keyboard hotkeys • Support for DVI resolutions up to 2560x1600 at 60Hz. and VGA resolutions up to 1920x1200 • True DDC EDID support • Supports dual-link DVI-D, single-link DVI-D, and VGA • Switched synchronously with other ServSwitch Wizard switches via the options port • Stereo audio switches independently from the video signal General Power External: 100-240 VAC/5VDC 2.5A Video DVI-dual link: 2560 x 1600 at 60 Hz; DVI-single link: 1920 x 1200 at 60 Hz; VGA: 1920 x 1200 at 60 Hz Item Specifications Connectors (5) DVI-I (Female); (4) USB Type-A (Female); (4) USB Type-B (Female); (1) RJ45 (Female) options Port; (1) Barrel Power Jack; (5) 3.5-mm Audio Jacks Country of Origin United Kingdom Dimensions 1.64-in. H x 9.12-in. W x 4.32-in. D (42 x 232 x 110-mm) Indicators Multi-segment display control; (2) front-panel push button Computer and Mode Weight 1.86-lb. (0.84-kg) Product Includes: • ServSwitch Wizard DVI Dual-Link (USB) • Power Supply • IEC 320 Power Cord • User Manual on CD • (2) 19" Rackmounting Brackets
KV2304A	Black Box KV2304A — Salient Characteristics Wizard KVM Switch - DVI-D Dual-Link, USB True Emulation, Audio, 4-Port High-end DVI KVM switching for multiple tri-head computers and USB devices. KVM Switch - Tri-Head, DVI-D Dual-Link, USB True Emulation, Audio, 4-Port Product Features • Enables a single user to control multiple computers • Switch DVI video, keyboard, and mouse streams to multiple CPUs • Each video head supports dual-link DVI video at up to 450 megapixels per second • Control all functions from a console with two high-resolution DVI screens • Supports video resolution up to 1920x1080 or boasts up to 2560x1600 (WQXGA) • True emulation technology on switched USB 2.0 channels • Equipped with audio inputs on KVM and computer channels This highly flexible KVM switch centralizes and simplifies high-end, multi-head video switching access at a single user console with multiple DVI screens. Plus, with advanced support for multiple high-speed USB devices, the ServSwitch Wizard DVI Dual-Link serves today's busy multitaskers quite well.

SALIENT CHARACTERISTICS

26-SIMACQ-D20-0005 BPA

	It's ideal for IT administrators and medical imaging, graphic design, and broadcast studio professionals who not only require quick, reliable access to multiple computer CPUs and multiple video channels, but also need simultaneous access to a mix of USB peripherals. Select a channel on the ServSwitch Wizard DVI Dual-Link using hotkeys, a three-button mouse, or the switch's front-panel controls. When an auto-scan is enabled, the switch cycles between connected computers in sequence automatically. A seven-segment numeric display indicates the selected channel. Multihead video channel access - simplified The ServSwitch Wizard DVI Dual-Link enables a single KVM workstation user to control four separate computer systems or servers and flexibly share peripherals among them. In addition to three DVI-I video KVM user console inputs for multiscreen workstations, the switch features tri DVI-I video connectors on each of its four computer channels. This way, you have easy access to three video heads on each channel. Each video head channel on this high-quality switch supports dual-link digital DVI video at up to 450 megapixels per second. Plus, it supports high resolutions, whether you need 2048 x 1080 video for post-production type of work or 2560 x 1600 (WQXGA) image clarity for very detailed medical or R and D lab imaging. Want to use VGA video instead of DVI? Simply add DVI-to-VGA adapters. In addition to tri video connectors, each computer channel on the ServSwitch Wizard DVI Dual-Link has USB Type B and 3.5-mm audio jack inputs. Multicomputer and multiperipheral access This high-performance, multimedia switching platform offers more than just straight switching between four multi-head computer systems. You can also use a KVM console to work on one computer while your favorite USB devices remain connected to other computers, all easily accessible to you. And because the ServSwitch Wizard DVI Dual-Link supports audio connectivity, you can listen to connect speakers to yet another computer (audio can be switched independently from USB and video). The ServSwitch Wizard DVI Dual-Link's rear panel has two USB Type-A ports as part of its KVM user console connections plus separate switched USB Type-A ports for additional USB 2.0 connectivity. You can reassign any of the connected USB peripherals to any of the connected computers quickly. The attached devices can either be switched in unison, or you can mix peripherals between any of the systems. The switch supports a wide range of USB devices, especially high-speed USB 2.0 peripherals on its switched USB ports. Printers, scanners, and non-standard HID devices can all be attached. For instance, you can be creating e-mails on one system, listening to the audio on a second one, printing from a third computer, and scanning documents on another - all at the same time. A switch featuring true USB emulation With advanced USB emulation technology, the ServSwitch Wizard DVI Dual-Link switch supports instant, reliable hotkey, and mouse switching. Other KVM switches often use a more generic emulation, relying on standard keyboard and mouse templates to provide peripheral info to connected computers. This results in support for only the most basic keyboard and mouse functions. General Approvals CE Power Input: 100-240 VAC, 50-60 Hz; Output: 5 VDC, 2 A Item Specifications Connectors (15) DVI-I (Female); (4) USB Type-A (Female); (4) USB Type-B (Female); (1) RJ45 (Female) options Port; (1) Barrel Power Jack; (5) 3.5-mm Audio Jacks Country of Origin United Kingdom Dimensions 4-in. H (2.5 U) x 10.29-in. W x 5.96-in. D (102 x 261 x 151-mm) Indicators Multi-segment display control; (2) front-panel push button Computer and Mode Weight 3.25-lb. (1.48-kg) Product Includes: • ServSwitch Wizard DVI Dual-Link KVM Switch Unit • AC Power Adapter

SALIENT CHARACTERISTICS

26-SIMACQ-D20-0005 BPA

	• (4) Self-Adhesive Rubber Feet • Safety Guide
KVXLC-200-R2	KVX Series KVM Extender Kit over CATx - DVI-D, USB 2.0, Serial, Audio, Local Video Extend KVM signals up to 100m over CAT5 cable. Item #: KVXLC-100-R2KVM Extender Kit over CATx - Single-Monitor, DVI-D, USB 2.0, Audio, Serial, Local Video Out Product Features • Supports DVI-D video resolution up to 1920x1200 at 60 Hz • Local and remote units connect at distances of up to 330 feet (100m) using standard CAT5e/6 cables • Transparent USB 2.0 extension supports HID devices, mass storage devices • Supports RS-232 peripheral (serial) devices • Bi-directional audio via speaker/mic connection • Local DVI port loopback for monitoring on transmitter (TX) unit • Supports EDID pass-through • The KVX DVI-D KVM Extender lets you control a server or computer over a standard CAT5 or CAT6 UTP network cable connection at distances of up to 330 feet (100 meters). PC connection cables are included with this product, making it a solution that is ready to use right out of the box. • You can use your existing keyboard, mouse, and monitor to access both the server room and your office computer, saving space and avoiding the need for a dedicated remote console. Available with support for one or two monitors, KVX is the perfect low-cost solution for transportation control centers, medical facilities, industrial warehouses, and extended workstations. • KVX is equipped with an RS-232 serial channel that connects to a serial terminal or to serial devices, such as touchscreens and barcode scanners. It eliminates the need for traveling back and forth between the local computer and remote console, making it an efficient and flexible solution. • KVX also includes local video, allowing access to an additional monitor at the transmitter side. It's perfect for any situation that requires monitoring of connected PCs. • This extender is TAA compliant and backed by free lifetime technical support. KVX is ideal for applications that require the console to be in a conveniently accessible location while the system equipment needs to reside in a safe place - away from dust, dirt, and harsh environmental influences. It also provides a cost-effective way of keeping sensitive data, such as financial and personal information, safe in a heavily secured data center while still allowing remote access to users. General Housing Material Metal Chassis DDC Support DDC, DDC2, DDC2B Distance CATx cable: Up to 328 ft. (100 m) MTBF Transmitter (TX): 137,540 Hours Receiver (RX:) 165,620 Hours *Using MIL-HDBK-217F (N2) Parts Count Prediction Calculator Environment condition which is GB (Ground Benign: Business and Scientific computers included in this Environment) Operating Humidity 0 to 80%, noncondensing Operating System OS Independent Operating Temperature 32 to 122° F (0 to 50° C) Power External 5-VDC, 2-A Power Supply Resolution Maximum - 1920 x 1200 @ 60 Hz Storage Temperature -4 to +140° F (-20 to +60° C) Item Specifications Connectors Video: (1) Single-Link DVI-D Link Port: (1) RJ45;

SALIENT CHARACTERISTICS

26-SIMACQ-D20-0005 BPA

	USB: (1) USB Type-B Country of Origin Taiwan Dimensions - Receiver 1.06-in. H x 7.09-in. W x 3.27-in. D (2.7 x 18.0 x 8.3-cm) Dimensions - Transmitter 1.06-in. H x 7.09-in. W x 3.27-in. D (2.7 x 18.0 x 8.3-cm) Indicators Transmitter - (1) Power LED; Receiver - (1) Power LED Replaces KVXLC-100 Weight - Receiver 0.84 lb. (0.38 kg) Weight - Transmitter 0.79 lb. (0.36 kg) Product Includes: • (1) Transmitter • (1) Receiver • (2) 5V, 2A Power Supplies (Includes US, EU, AU & UK Plug types) • (1) DVI-D Cable 1.8m (6 ft.) • (1) USB Type A To B Cable, Male/Male 1.8m (6 ft.) • (1) 3.5mm Dual Audio/Mic Cable, Male/Male 1.8m (6 ft.)
LH1690C-LC-R2 (alt LH1690C-LC-R3)	Gigabit Ethernet (1000-Mbps) Network Interface Card - Multimode, PCI-E, LC Ethernet network interface with packet processing brings fiber to the desktop for improved performance and higher bandwidth at 1000-Mbps speeds. _____ Item #: LH1690C-LC-R3Gigabit Ethernet (1000-Mbps) Network Interface Card - Multimode, PCI-E, LC Product Features • Compatible with many operating systems. • LC connectors for attaching multimode 850nm 550m fiber with 220m range. • Supports 802.1P/Q VLAN tag. • IP multicast filter to conserve bandwidth. • PCI-E (Rev. 1.1 compliant) interface installs easily in a PCIe x1 slot. • IEEE 802.3x full-duplex flow control. • Jumbo frame support for packet-heavy network traffic. • RealTek RTL8168 chipset. General CE ApprovalYes Compliance EMI Standard, FCC Class B Fiber Cable Supported 62.5-/125-µm, 50-/125 µm multimode Operation Full-duplex with NWay flow control Power From the PCI-e bus; maximum 5 W +3.3 VDC at 1.5 A Protocols Supported Failover RoHS Yes Software Supported Windows OS Speed 1000-Mbps Standards IEEE 802.3z Gigabit Ethernet 1000BASE-SX, IEEE 802.3x full-duplex flow control, IEEE 802.1Q VLANs, LACP IEEE 802.3ad,)/ IEEE 802.3ad-draft static Item Specifications Connectors (1) Duplex LC Country of Origin Taiwan Indicators LEDs on bracket: (1) LINK/ACT, (1) FDX
PWR-AC-FAIL	Salient Characteristics of Servers Check PWR-AC-FAIL Power Failure Sensor The Servers Check PWR-AC-FAIL is a compact, industrial-grade sensor designed to detect mains power outages and trigger alerts or safe server shutdowns. Key Features • Function: Detects AC power failure and provides an ON/OFF indication to the Base Unit (e.g., BASE-WIRED). • Alerting: By default, sends alerts via email, SMS, and SNMP traps through the Base Unit.

SALIENT CHARACTERISTICS

26-SIMACQ-D20-0005 BPA

	• Server Shutdown: Can be configured to safely shut down servers when a power failure is detected. • Power Source: • External AC adapter plugs into the main power line. • Sensor itself powered by a UPS so it remains operational during outages. • Connectivity: • RJ45 cable from Base Unit to sensor (CAT 6/7 recommended, up to 100 m). • Supports Modbus TCP/RTU, SNMP, MQTT, RS-485 for integration with network management systems or custom gateways. • Integration: Out-of-the-box support for SNMP, Modbus, and optional MQTT for Industrial IoT; RS-485 available via optional module. • Customization: Available in custom color and logo options. • Enclosure: Steel, industrial-grade, suitable for non-power or non-IP sensors. • Mounting: 0U rack, DIN rail, magnetic, or wall mountable. Technical Specifications • Power Adapter: • Input: Auto switching 90–240 VAC, 47–63 Hz • Output: 9 VDC, 1.5 A, 2 m cord, 2.1 mm center-positive plug • Power Usage: 216 mW • Operating Temperature: 0 °C to +40 °C (some datasheets list -40 °C to +75 °C) • Humidity: 5–95% RH (non-condensing) • Dimensions: ~72 mm × 69 mm × 23 mm (0.24 kg / 0.53 lbs) Use Case Ideal for server rooms and edge infrastructure where you need real-time power outage detection and automated response without relying solely on UPS management features. It bridges the gap between UPS power monitoring and proactive server protection. In summary, the PWR-AC-FAIL is a plug-and-play, modular, and integrable power failure sensor that combines detection, alerting, and automated shutdown capabilities, with flexible mounting, communication options, and industrial durability.
RJFTV21G	Amphenol RJFTV21G — Salient Characteristics The Amphenol Socapex RJFTV21G is a rugged, panel mounted RJ45 receptacle designed for harsh environments, offering both standard and ruggedized versions. Key Features & Specifications Digi-Key Electronics+2 • Type: Modular Ethernet connector (8P8C, Cat5e) • Gender: Female receptacle (female RJ45) • Mounting: Panel mount with square flange, straight orientation • Shielding: Unshielded (standard version) • Construction: Metal shell (aluminum, olive drab cadmium plating; other finishes available) • Plating: Nickel (standard) or other platings depending on variant • Operating Temperature: -40°C to +85°C • Flammability: UL94 V 0 • Environmental Rating: IP67/IP68 (dust tight, waterproof) • Coupling: Tri Start thread (MIL DTL 38999 Series III) with anti-decoupling device • Mechanical Coding/Polarization: 4 positions for correct mating • Cable Retention: 100 N axial force • Mating Cycles: 500+ • Cable Diameter Range: 6 mm to 13 mm (varies by ruggedized version) • Applications: Ethernet (Cat5e, Cat6, Cat6A), rugged environments such as battlefield comms, C4ISR, armored vehicles, rail, mass transit Amphenol Socapex • Compliance: RoHS not compliant (standard version); REACH SVHC compliant; radiation hardening not applicable • Weight: ~1.41 oz (standard) Ruggedized Version Highlights Amphenol Socapex • Sealed against fluids and dusts (IP68) • Shock and vibration resistance (IK06, NAS 1599 tested) • Marine bronze shell option for corrosion resistance

SALIENT CHARACTERISTICS

26-SIMACQ-D20-0005 BPA

	• Compatible with Cat5e, Cat6, and Cat6A Ethernet standards Summary: The RJFTV21G is a robust, field ready RJ45 receptacle suitable for both general Ethernet use and extreme environments. Its threaded coupling, environmental sealing, and mechanical coding make it ideal for applications where durability, safety, and reliability are critical.
RJFTV21RAG	Amphenol Socapex RJFTV21RAG — Salient Characteristics The Amphenol Socapex RJFTV21RAG is a shielded, panel mount modular coupler designed for Cat 5e Ethernet applications, specifically for 1000 Base T networks. Key Salient Characteristics: • Type & Configuration: Modular coupler connector jack, 8P8C (RJ45) to 8P8C (RJ45) • Performance Category: Cat 5e (supports up to 1000 Mbps Ethernet) • Shielding: Shielded (reduces EMI/RFI interference) • Coupling Mechanism: Circular threaded coupling for secure, repeatable connections • Mounting: • Panel mount with square flange • Right angle orientation for space efficient installation • Operating Temperature Range: -40 °C to +85 °C • IP Rating: IP68 (dust tight and submersible) • Flammability Rating: UL 94 V 0 • Number of Contacts/Positions: 8 contacts, 8 positions per port • Gender: Female jack (receptacle) • Application: Ethernet networking, especially 1000 Base T installations • Finish: Aluminum shell, olive drab cadmium plating • RoHS Compliance: Non-compliant (lead content may be present) • Packaging: Typically shipped in factory packs of 10 • Series: RJFTV (Amphenol Socapex modular Ethernet series) Summary: The RJFTV21RAG is a rugged, shielded, right angle RJ45 coupler ideal for industrial or commercial Ethernet installations requiring high EMI protection, secure threading, and wide temperature operation. Its IP68 rating makes it suitable for harsh environments, and its Cat 5e performance ensures reliable 1 Gbps data transmission.
SE-02108-01	SE 02108 01 — Circuit Card Assembly (IXI Technology) Key Specifications • Item Name: Circuit Card Assembly • Special Features: ESD (Electrostatic Discharge) protection This module is a high performance NTDS interface for military and industrial systems, supporting: • PCIe x1–x16 slots • MIL STD 1397C Type A/B/C/H interfaces • Full duplex input/output • Software selectable NTDS type • On board time stamping (125 ns resolution) • Field reprogrammable FPGA for updates IXI Technology+1 In summary: SE 02108 01 is a standard ESD protected circuit card assembly used in defense and industrial electronics, with multiple manufacturers and suppliers. If you are sourcing it, ensure you match the correct manufacturer's part number and verify ESD compliance and supply chain status. Swift PCIe NTDS Type ABCH 120-Pin HDC A high-performance NTDS interface for PCI Express The PCIe NTDS Parallel board connects computers with PCI Express (PCIe) slots to military computers and peripherals with MIL-STD-1397C Type A, B, C or H interfaces. The board is compatible with x1, x2, x4, x8 or x16 PCIe slots, allowing it to be used in the widest range of servers and workstations. NTDS cable connections are backward compatible with IXI Technology's PCI board, allowing an easy upgrade to the PCIe version without the need to change cabling.

SALIENT CHARACTERISTICS

26-SIMACQ-D20-0005 BPA

	IXI Technology's NTDS ABCH PCIe board is easy to program and offers a variety of input and output modes to support any NTDS protocol. Hardware-independent input and output channels allow the NTDS ABCH PCIe board to perform simultaneous input and output (full duplex) operations. NTDS type is software-selectable allowing quick reconfiguration without the use of hardware jumpers or switch settings. Boards can be used for passive tap applications as well as normal NTDS I/O. An on-board time stamp generator tags individual input words with 125 ns resolution. Time stamping is software-selectable and can be used with active or passive communications. All boards in the family are software compatible making it easy to mix parallel and serial NTDS boards in the same system as well as allowing transparent migration of applications between PCIe, PCI, PMC, cPCI, and PC/4. Device driver software is available for the most commonly used operating systems. For maintenance and reliability, PCIe NTDS Parallel boards are short-circuit protected outputs to prevent failures due to improper cabling or NTDS type mismatch. An internal loop-back path allows the NTDS ABCH PCIe to be tested without disconnecting cables. The NTDS ABCH PCIe board can be updated in the field by reprogramming its Field Programmable Gate Array (FPGA) logic to add features or compensate for non-compliant interfaces. Using FPGA technology reduces component obsolescence, enabling the Swift to be deployed and supported for years to come. General Product Features Input Mode Features •Separate or combined data and command word buffers •Input command words, stop on data word •Input data words, stop on command word •Passive tap mode Output Mode Features •Concurrent data and command buffer operation Time-out Mode Features •Time-out values in 10µs or 1ms increments •Time-out between words and/or total transfer times •Start time-out at beginning of operation or upon transfer of the first word NTDS Connector Compatibility •Connector compatible with Parallel NTDS board Software Drivers Available* •Choice of driver included with board purchase: Windows®, VxWorks®, Solaris™, Linux®, LynxOS®, HP-UX Contact factory for new OS support OPTIONS AND ACCESSORIES •Adapter Modules •Cable Interface Modules (CIM) •Cable Assemblies •Tap Accessories Technical Specs NTDS Interface MIL-STD-1397C Parallel Types A, B, C or H PCIe Bus Interface PCI Express Base Specification, Revision 1.0a Input Buffer 64K x 32-bit FIFO NTDS I/O Connectors IXI Technology 120 pin HDC Form Factor Standard Height or Low Profile Weight Less than or equal to 4.5 oz. Power Consumption Average power consumption: 4.956W Average +3.3V current draw: 0.92A

SALIENT CHARACTERISTICS

26-SIMACQ-D20-0005 BPA

	Average +12V current draw: 0.16A Temperature Operating: 0°C to +55°C Storage: -41°C to +71°C Shock MIL-STD-810F, method 516.4, procedure VI (bench handling) Vibration Random: 20-200Hz/0.01 g²/Hz Sine Peak: 5-28Hz/1g Relative Humidity 0% to 95% (non-condensing) Altitude Operating: 10,000 ft. Storage: 40,000 ft. MTBF >150,000 hours calculated per MIL-HDBK-217F @ 30 degrees C, ground benign
SE-02108-07-LC	The IXI SE 02108 07 LC is the Swift PCIe NTDS Type ABCH 120 Pin HDC Long Cable Drive module, designed for high reliability, mission critical applications in military, naval, and industrial environments tazob.com+1. Key Salient Characteristics • High Performance NTDS Interface Supports MIL STD 1397C Type A, B, C, or H protocols, enabling secure, low latency communication between control systems, sensors, and other mission critical components tazob.com. • 120 Pin HDC Connector Provides a robust, secure connection for high-speed data transfer, compatible with existing Swift PCIe NTDS networks tazob.com. • Long Cable Drive Capability Engineered to handle cable runs up to 500 ft (152 m), making it suitable for extended reach applications tazob.com. • High Speed PCIe Interface Compatible with x1, x2, x4, x8, or x16 PCIe slots, allowing integration into a wide range of servers and workstations IXI Technology. • Full Duplex Operation Hardware independent input/output channels support simultaneous input and output, with software selectable NTDS type for quick reconfiguration IXI Technology. • On Board Time Stamp Generator Tags input words with 125 ns resolution, with software selectable timestamping for active or passive communications IXI Technology. • Industrial Grade Design Built with durable, reliable components for continuous operation under harsh environmental conditions tazob.com. • Seamless Integration Software compatible with other Swift PCIe NTDS boards (parallel, serial, PMC, cPCI, PC/4), enabling transparent migration of applications IXI Technology. • Field Programmable Gate Array (FPGA) Allows in field updates to add features or compensate for non-compliant interfaces, reducing component obsolescence IXI Technology. • Short Circuit Protection Output short circuit protection prevents failures from improper cabling or NTDS type mismatch IXI Technology. • Internal Loop Back Path Enables testing without disconnecting cables IXI Technology. • Time Out Configurations Adjustable time out values in 10 µs or 1 ms increments for start, between words, and total transfer times IXI Technology. • Operating System Support Driver software available for Windows®, VxWorks®, Solaris™, Linux®, LynxOS®, HP UX, with potential for new OS support IXI Technology.

SALIENT CHARACTERISTICS

26-SIMACQ-D20-0005 BPA

	• Reliability & Compliance Designed for MIL STD 810F bench handling (method 516.4, procedure VI) and calculated MTBF >150,000 hours at 30 °C IXI Technology. In summary: The SE 02108 07 LC is a rugged, long reach PCIe NTDS interface optimized for military, naval, and industrial control systems, offering high bandwidth, full duplex operation, precise timing, and seamless integration into existing Swift PCIe networks.
SE-04102-00	IXI SE 04102 00 — Swift PCIe NTDS Type E Card The IXI SE 04102 00 is a Swift PCIe NTDS Type E card from IXI Technology, designed for mission critical MIL STD 1397C serial communications in military, naval, and industrial systems. Key Salient Characteristics • Compliance: Fully MIL STD 1397C Type E compliant serial interface, supporting all System Integrity Features (SIF) for Type E. • Interface Type: Serial NTDS (Non-Terrestrial Data System) Type E, enabling high performance, full duplex data transfer. • Form Factor: Standard profile faceplate for easy installation in standard server or workstation chassis. • PCIe Compatibility: Fits standard PCIe x1, x2, x4, x8, or x16 slots, allowing broad deployment in modern systems. • Full Duplex Operation: Simultaneous input and output for high speed, low latency communication. • Industrial Grade Durability: Built for harsh environments, shock, and vibration tolerance. • Internal Loop Back Testing: Allows self-testing without disconnecting cables, reducing downtime. • FPGA Based Logic: Field programmable gate array enables long term reliability, feature updates, and compatibility with non-compliant interfaces IXI Technology+1. • Software Features: • Software enabled SIF for Type E • Software enabled 125 ns time stamping on input words • Time stamps can be synchronized across multiple interfaces • Supports receipt of multiple Forced Command words • Control frame programmability for MIL STD 1397B compatibility • Time Out Flexibility: Configurable in 10 µs or 1 ms increments for word and total transfer times. • Backward Compatibility: NTDS cable connections are backward compatible with IXI's Serial PCI board, enabling easy upgrades. • Software Compatibility: Works with Serial NTDS Interface PCI, cPCI, PMC, and PC/104 Plus boards, allowing transparent migration between versions. Typical Applications • Defense & Naval Systems: Secure, high reliability serial data links in ships, submarines, and command systems. • Industrial Control: Mission critical embedded systems requiring MIL STD 1397C compliance. • Legacy System Integration: Upgrading older PCI NTDS systems to PCIe without changing cabling. In summary, the SE 04102 00 is a high performance, MIL STD 1397C Type E serial interface card optimized for full duplex, low latency, and long-term reliable communication in demanding environments.
SKC600/1024G **Other known PNs that meet requirement:** MZ-77Q1T0B/AM or MZ-76P1T0E	Kingston's KC600 is a full capacity SSD designed to provide remarkable performance and optimized to provide functional system responsiveness with incredible boot, loading, and transfer times. It comes in both 2.5" and mSATA form factors using SATA Rev 3.0 interface with backwards compatibility. The KC600 utilizes the latest 3D TLC NAND technology while supporting a full-security suite that includes AES 256-bit hardware encryption, TCG Opal

SALIENT CHARACTERISTICS

26-SIMACQ-D20-0005 BPA

or dwg 8749330 or dwg 8749355	2.0, and eDrive. It features read/write speeds up to 550/520MB/s1 to efficiently store your data up to 2TB2. Remarkable performance Features the latest 3D TLC NAND technology Supports a full-security suite (TCG Opal 2.0, AES 256-bit, eDrive) Available in range of full capacities Specifications 2.5" Form Factor 2.5" Interface SATA Rev. 3.0 (6Gb/s) – with backwards capability to SATA Rev 2.0 (3Gb/s) Capacities2 256GB, 512GB, 1024GB, 2048GB Controller SM2259 NAND 3D TLC DRAM Cache Yes Encrypted XTS-AES 256-bit encryption Sequential Read/Write1 256GB — up to 550/500MB/s 512GB–2048GB — up to 550/520MB/s Maximum 4K Read/Write1 up to 90,000/80,000 IOPS Power Consumption 0.06W Idle / 0.2W Avg / 1.3W (MAX) Read / 3.2W (MAX) Write Dimensions 100.1mm x 69.85mm x 7mm Weight 40g Operating temperature 0°C~70°C Storage temperature -40°C~85°C Vibration operating 2.17G Peak (7-800Hz) Vibration non-operating 20G Peak (10-2000Hz) Life expectancy 2 millions hours MTBF Warranty/support3 Limited 5-year warranty with free technical support 1 Total Bytes Written (TBW)4 256GB — 150TB 512GB — 300TB 1024GB — 600TB 2048GB — 1200TB Specifications mSATA Form Factor mSATA Interface SATA Rev. 3.0 (6Gb/s) – with backwards capability to SATA Rev 2.0 (3Gb/s) Capacities2 256GB, 512GB, 1024GB Controller SM2259 NAND 3D TLC Encrypted XTS-AES 256-bit encryption Sequential Read/Write1 256GB — up to 550/500MB/s 512GB – 1024GB — up to 550/520MB/s Maximum 4K Read/Write1 up to 90,000/80,000 IOPS Power Consumption 0.08W Idle / 0.1W Avg / 1.2W (MAX) Read / 2.4W (MAX) Write Dimensions 50.8mm x2 9.85mm x 4.85mm Weight 7g Operating temperature 0°C~70°C Storage temperature -40°C~85°C Vibration operating 2.17G Peak (7-800Hz) Vibration non-operating 20G Peak (10-2000Hz) Life expectancy 2 millions hours MTBF Warranty/support3 Limited 5-year warranty with free technical support Total Bytes Written (TBW)4 256GB — 150TB 512GB — 300TB 1024GB — 600TB Part Numbers KC600 2.5" SKC600/256G SKC600/512G SKC600/1024G SKC600/2048G Part Numbers KC600 mSATA SKC600MS/256G SKC600MS/512G SKC600MS/1024G 2

SALIENT CHARACTERISTICS

26-SIMACQ-D20-0005 BPA

	The cryptographic functionalities, mentioned in the present section, are implemented in the firmware of the product. The cryptographic functions of the firmware can only be changed during the manufacturing process and cannot be changed by a regular user. The product is designed for installation by the user by following the step-by-step instruction from the installation user guide, supplied with the product, and, thereby, can be used without further substantial support of the supplier. The SSD is designed for use in desktop and notebook computer workloads and is not intended for Server environments. 1. Based on “out-of-box performance” using a SATA Rev. 3.0 motherboard. Speed may vary due to host hardware, software, and usage. IOMETER Random 4k Random Read/Write is based on 8GB partition. 2. Some of the listed capacity on a Flash storage device is used for formatting and other functions and thus is not available for data storage. As such, the actual available capacity for data storage is less than what is listed on the products. For more information, go to Kingston's Flash Memory Guide. 3. Limited warranty based on 5 years or “SSD Life Remaining” which can be found using the Kingston SSD Manager. A new, unused product will show a wear indicator value of one hundred (100), whereas a product that has reached its endurance limit of program erase cycles will show a wear indicator value of one (1). See K i n g s t o n . c o m / w a for details. 4. Total Bytes Written (TBW) is derived from the JEDEC Client Workload (JESD219A).
TB2000NVA **Other known PNs that meet requirement:** 774BN	VIAVI TB2000-NVA (T-BERD/MTS-2000) — Salient Characteristics The VIAVI TB2000-NVA is a handheld modular fiber optic test platform built on the T-BERD/MTS-2000 architecture, designed for installation, turn-up, and maintenance of fiber optic networks in enterprise, metro, and FTTx environments. Key Salient Characteristics: • Handheld Modular Design – Single-bay, portable platform that can be expanded with interchangeable test modules for flexibility in the field. • QUAD OTDR Configuration – Specifically configured for the U.S. Navy, enabling full testing of both single-mode and multimode fibers with comprehensive fiber characterization capabilities. • Large Touchscreen Interface – Intuitive user interface for easy navigation and operation in the field. • Ruggedized Build – Built for demanding environments, ensuring durability during field operations. • Wide Module Support – Can integrate various modules such as Power Meter, VFL (Visual Fault Locator), Talkset, Datalink, Scope, and DWDM Channel Checker for diverse testing needs. • Advanced Analysis & Reporting – Includes overlay, mosaic mode, and image capture for detailed fiber end-face inspection, plus automated report generation. • Calibration & Maintenance – Factory-calibrated to TL9000 standards; VIAVI Care Plans include regular calibration, connector maintenance, and firmware updates to ensure measurement accuracy. • Compliance & Standards – Meets ISO and TL standards for network test procedures, ensuring accurate validation of network elements and compliance with manufacturer warranties. • Field-Ready Connectivity – Supports PC connectivity for configuration, data transfer, and report generation. • Military-Grade Configuration – The TB2000-NVA variant is tailored for U.S. Navy use, with robustness and reliability for mission-critical applications. In summary: The TB2000-NVA is a highly configurable, rugged, and accurate handheld fiber test platform with QUAD OTDR capability, designed for both commercial and military network testing, offering a modular approach to fiber optic certification, fault location, and performance analysis.
UHP-200-12	ACDC Power Converter, Power Supply, 12VDC

SALIENT CHARACTERISTICS

26-SIMACQ-D20-0005 BPA

VBOX-3611-6600-08GC	Sintrones VBOX-3611-6600-08GC — Key Characteristics The Sintrones VBOX-3611-6600-08GC is a rugged, fanless embedded industrial computer designed for fleet management, in-vehicle computing, and industrial applications. It is based on Intel 6th Generation Core i7-6600U (2.6 GHz up to 3.4 GHz) with integrated Intel HD Graphics 520. Core Specifications • Processor: Intel Gen 6 Core i7-6600U (2.6 GHz, up to 3.4 GHz), also configurable with i5-6300U, i3-6100U, or dual-core 3955U. • Chipset: Intel 6th Gen Core SoC. • Memory: 2 × DDR4 2133 MHz SO-DIMM, up to 32 GB. • Storage: Dual hot-swappable 2.5″ SATA HDD/SSD bays, RAID 0/1/5 support; 1 × SATA DOM. • Graphics: Intel HD Graphics 520 with DXVA, supports AVC/VC1/MPEG2 HW decode, DirectX 11/10.1/10/9, OpenGL 4.0. • Display: Triple independent display support via 1× DisplayPort, 1× DVI, 1× VGA; max 4096×2304@24 Hz (HDMI) or 60 Hz (DP). • Audio: Realtek ALC662 HD codec, 1× line-out, 1× mic-in, optional line-in. • Networking: Intel I210-AT GbE controllers, 2× RJ45 ports, PXE/WOL support. • I/O: 4× RS-232 (2 with RS-422/485), 2× USB 3.0, 2× USB 2.0, 4× DIO (4 in/4 out), analog inputs (0–48 VDC). • Wireless: LTE (dual SIM), WLAN, GPS dead reckoning, optional Bluetooth. • SIM: 2× SIM card sockets onboard. Power & Ignition • Power Input: 9–36 V DC, smart vehicle power ignition, power-off delay control, backup battery solution. • Power Protection: Automatic recovery, short-circuit protection. Mechanical & Environmental • Dimensions: 250 × 150 × 55 mm. • Weight: ~1980 g (barebone). • Construction: Aluminum alloy, wall-mount or VESA-mount compatible. • Operating Temp: -40 °C to 70 °C; storage -40 °C to 80 °C. • Humidity: 10–90% RH (non-condensing). • Certifications: CE, FCC Class A, E-Mark, ECE R118. • Ruggedness: MIL-STD-810G shock/vibration compliance. Applications • Fleet management systems • In-vehicle digital signage • Mobile DVR and driver behavior recording • Railway station management, license plate recognition (LPR) • Biometric and passenger information systems. In summary: The VBOX-3611-6600-08GC is a high-performance, rugged, fanless in-vehicle/embedded PC with LTE/Wi-Fi/GPS, triple display output, and industrial-grade durability, making it ideal for demanding transportation and industrial environments.
VI-PU-01-EYY	RoHS compliant (VE versions) • Microcontroller architecture • Inputs: 115/230 Vac auto ranging • Meets FCC Part 15, EN55022, Class B conducted emissions • 80 – 90% efficiency • Any output: 1 to 95VDC • Module enable/disable (except LU series) • UL, TÜV, CE marked • Remote sense and current limit • BUS OK and AC OK (except LU series) • 40ms ride-through time

SALIENT CHARACTERISTICS

26-SIMACQ-D20-0005 BPA

	• OVP and thermal shutdown • 1 output; up to 200W • 1 or 2 outputs; up to 400W • 1, 2, or 3 outputs; up to 600W The FlatPAC combines the Vicor workhorse VI-200 family of DC-DC converters with a modular package and front-end subassembly to provide from 50 to 600W of output power from one to three outputs. A flat plate heat sink for use in conduction cooled applications may be specified as an alternate to the standard finned version by adding “CC” to the end of the model number.