



| Model | EDS 3000 PR | EDS 3000 PS | EDS4100 | EDS-MD® | SGX™ 5150 MD | SGX™ 5150 |
|---|---|---|---|---|--|--|
| Category | Serial-to-Ethernet Device Server | | | Medical Gateway | | IoT Gateway |
| Connectivity | Serial-to-Ethernet | Serial-to-Ethernet | Serial-to-Ethernet | Serial-to-Ethernet | Ethernet/Serial/USB-to-Wi-Fi Ethernet-to-Wi-Fi/ Concurrent SoftAP SoftAP to Ethernet Host Serial/USB-to-Ethernet | Ethernet/Serial/USB-to-Wi-Fi Ethernet-to-Wi-Fi/ Concurrent SoftAP SoftAP to Ethernet Host Serial/USB-to-Ethernet |
| Device Management ConsoleFlow™ | Yes | Yes | No | Yes | Yes | Yes |
| Operating System | Linux | Linux | Evolution OS® | Linux | Linux | Linux |
| Serial Tunneling (Seq/Multi-host List) | • | • | • | • | • | • |
| Modem Emulation | • | • | • | • | • | • |
| Modbus | | | • | | • | • |
| 802.11 Bridging | | | | | • | • |
| Wireless Router Mode (with or w/o NAT) | | | | | • | • |
| Port Forwarding | | | | | • | • |
| IPSEC Support | | | | | • | • |
| SNMP | V1 V2c V3 | V1 V2c V3 | V2c | V2c | V1 V2c V3 | V1 V2c V3 |
| DHCP, BOOTP, and AutoIP | • | • | • | • | • | • |
| FTP/TFTP | • | • | • | • | • | • |
| Web Manager | • | • | • | • | • | • |
| Email Notification | • | • | • | • | • | • |
| Wireless Technology | | | | | 802.11 a/b/g/n/ac 2.4GHz and 5GHz | 802.11 a/b/g/n/ac 2.4GHz and 5GHz |
| Wireless (Wi-Fi Security) | | | | | WEP, WPA/WPA2-PSK, IEEE802.1x WPA2-Enterprise (EAP/PEAP/LEAP/FAST) | WEP, WPA/WPA2-PSK, IEEE802.1x WPA2-Enterprise (EAP/PEAP/LEAP/FAST) |
| Serial Interface | RS-232 x 8 / 16 / 32 (model specific) | RS-232 x 8 / 16 (model specific) | RS-232 x 2 RS-232/422/485 x2 | RS-232 x 4 / 8 / 16 (model specific) | RS-232/422/485 x 1 RS-232/422/485 x 2 (model specific) | RS-232/422/485 x 1 RS-232/422/485 x 2 (model specific) |
| Serial Connector Type | RJ45 | RJ45 | DB9, Male, DTE | RJ45 (IEC-60601 compliant) | RJ45 | RJ45 |
| Serial Data Rate (bps) | 300 - 230400 | 300 - 230400 | 300 - 230400 | 300 - 921600 | 300 - 921600 | 300 - 921600 |
| USB | | | | | USB Type C - USB Device USB Configurable Host | USB Type C - USB Device USB Configurable Host |
| Soft AP (Access Point) | | | | | Up to 14 SoftAP connections Simultaneous SoftAP + Client Mode (model specific) | Up to 14 SoftAP connections Simultaneous SoftAP + Client Mode (model specific) |
| POE (Power-over-Ethernet) | | | • | | | |
| Flash/RAM | 512MB / 512MB | 512MB / 512MB | 8MB / 32MB | 8MB / 256MB | 256MB / 64MB | 256MB / 64MB |
| Network Interface | 10/100/1000Base-T | 10/100/1000Base-T | 10/100Base-T | 10/100/1000Base-T | 10/100Base-T | 10/100Base-T |
| Power Input | 100-240 VAC (50-60Hz IEC-type cord) | 100-240 VAC (50-60Hz IEC-type cord) | 9-30 VDC (Barrel Connector) 42-56 VDC (Terminal Block) | 100-240 VAC (IEC-60320 compliant) | 12-30 VDC (Barrel Connector) 5V USB. Need Power Supply 520-160-R to comply with IEC60601-1 | 9-30 VDC (Barrel Connector) 5V USB |
| Serial Interface Transient Protection | 15 KV ESD | 15 KV ESD | 15 KV ESD | 15 KV ESD | 15 KV ESD | 15 KV ESD |
| MAX Power Use (Watts) | 20 W | 20 W | 4 W | 23 W | 1.9 W (without USB load) | 1.9 W (without USB load) |
| Dimensions (LxWxH) | 30.5 x 48.1 x 4.22 cm 12 x 18.93 x 1.66 in | 8 port: 12.8 x 22.7 x 4.3 cm 5.0 x 8.9 x 1.7 in 16 port: 12.8 x 22.7 x 6 cm 5.0 x 8.9 x 2.7 in | 12.7 x 17.7 x 3.8 cm 5.0 x 6.95 x 1.5 in | 21.0 x 19.0 x 6.0 cm 8.25 x 7.5 x 2.4 in | 10.8 x 7.2 x 3.3 cm 4.25 x 2.8 x 1.3 in | 10.8 x 7.2 x 3.3 cm 4.25 x 2.8 x 1.3 in |
| Operating Temperature C°/F° | 0°C to 55°C 32°F to 131°F | 0°C to 55°C 32°F to 131°F | 0°C to 55°C 32°F to 131°F | 0°C to 55°C 32°F to 131°F | 0°C to 45°C 32°F to 113°F | -40°C to 70°C -40°F to 158°F |
| Mounting Option | Rack-Mount | Wall Mount | Wall Mount | Wall Mount / Desktop | Din / Wall Mount | Din / Wall Mount |
| Warranty | 3-Year Limited | 3-Year Limited | 2-Year Limited | 5-Year Limited | 5-Year Limited | 5-Year Limited |



| Model | xDirect® | UDS1100 | UDS2100 | EDS1100 | EDS2100 | xPress™ DR | xPress™ DR+ |
|--|---|--|--|--|--|---|--|
| Category | Serial-to-Ethernet Device Server | | | | | | |
| Connectivity | Serial-to-Ethernet | Serial-to-Ethernet | Serial-to-Ethernet | Serial-to-Ethernet | Serial-to-Ethernet | Serial-to-Ethernet | Serial-to-Ethernet |
| Device Management ConsoleFlow™ | No | No | No | No | No | No | No |
| Operating System | CoBos | CoBos | CoBos | Evolution OS® | Evolution OS® | CoBos | CoBos |
| DHCP, BOOTP, and AutoIP | • | • | • | • | • | • | • |
| FTP/TFTP | -/• | -/• | -/• | •/• | •/• | -/• | -/• |
| Telnet | • | • | • | • | • | • | • |
| SSH/SSL | | | | • | • | | |
| SNMP | V1 read only | V1 read only | V1 read only | V2c | V2c | V1 read only | V1 read only |
| Web Manager | • | • | • | • | • | • | • |
| Hostlist (Sequential-host) | • | • | • | • | • | • | • |
| Hostlist (Multi-host) | | | | • | • | | |
| Serial Tunneling | • | • | • | • | • | • | • |
| Modem Emulation | • | (model specific) | • | • | • | • | • |
| Modbus | (model specific) | | | • | • | (model specific) | • |
| Email Notification | | | | • | • | | |
| Serial Interface | RS-232 or RS-232/422/485 (model specific) | RS-232/422/485 x 1 | RS-232/422/485 x 2 | RS-232/422/485 x 1 | RS-232/422/485 x 2 | RS-232/RS-422/485 | RS-232 x 1 RS-232/422/485 x 1 |
| Serial Connector Type | DB9, Female, DCE | DB25, Female, DCE | DB9, Male, DTE | DB25, Female, DCE | DB9, Male, DTE | RJ45 (RS-232/422/485) Terminal Block (RS485 only) | RJ45 (SP1, SP2) Terminal Block (SP2, RS485 only) |
| Serial Data Rate (bps) | 300 - 921600 | 300 - 230400 | 300 - 230400 | 300 - 921600 | 300 - 921600 | 300 - 115200 | 300 - 230400 |
| POE (Power-over-Ethernet) | (model specific) | (model specific) | | | | | |
| Flash/RAM | 1MB / 256KB | 2MB / 256KB | 2MB / 256KB | 8MB / 8MB | 8MB / 8MB | 512KB / 256KB | 2MB / 256KB |
| Network Interface | 10/100Base-T | 10/100Base-T | 10/100Base-T | 10/100Base-T | 10/100Base-T | 10/100Base-TX Ethernet | 10/100Base-T x 2 |
| Power Input | 5-15 VDC (Mini-USB) 5-15 VDC (D89F Pin 9) 802.3af Compliant (PoE model only) | 9-30 VDC or 9-24 VAC (Barrel Connector) | 9-30 VDC or 9-24 VAC (Barrel Connector) | 9-30 VDC | 9-30 VDC | 9-30 VDC or 9-24 VAC (Terminal Block) | 9-30 VDC or 9-24 VAC (Terminal Block) |
| Serial Interface Transient Protection | 15 KV ESD | 15KV ESD | 15KV ESD | 15 KV ESD | 15 KV ESD | 15 KV ESD | 15 KV ESD |
| MAX Power Use (Watts) | 1.3 W (non-PoE models) 2 W (PoE model) | 1.5 W | 1.8 W | 1.8 W | 1.8 W | 3 W | 2.3 W |
| Dimensions (LxWxH) | 24.0 x 3.3 x 2.9 cm 9.5 x 1.3 x 1.1 in (length includes serial cable) | 9.0 x 6.4 x 2.3 cm 3.5 x 2.5 x 0.9 in | 9.5 x 7.2 x 2.3 cm 3.7 x 2.8 x 0.9 in | 9.0 x 6.4 x 2.3 cm 3.5 x 2.5 x 0.9 in | 9.5 x 7.2 x 2.3 cm 3.7 x 2.8 x 0.9 in | 6.1 x 3.6 x 8.8 cm 2.4 x 1.4 x 3.5 in | 8.8 x 5.7 x 12.3 cm 3.45 x 2.25 x 4.85 in |
| Operating Temperature C°/F° | -40°C to 85°C, non-PoE model -40°C to 70°C, PoE model | -40°C to 70°C, non-PoE model 0°C to 60°C, PoE model | 0°C to 60°C 32°F to 140°F | -40°C to 85°C -40°F to 185°F | -40°C to 85°C -40°F to 185°F | 0°C to 60°C 32°F to 140°F | 40°C to 70°C -40°F to 158°F |
| Mounting Option | Desktop | Wall Mount | Wall Mount | Wall Mount | Wall Mount | Din Mount | Din Mount |
| Warranty | 5-Year Limited | 2-Year Limited | 2-Year Limited | 2-Year Limited | 2-Year Limited | 1-Year Limited | 2-Year Limited |

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