



Features	XDirect®	UDS1100	UDS2100	EDS1100	EDS2100	XPress™ DR	XPress™ DR +
<b>Category</b>				<b>Ethernet Device Server</b>			
<b>Connectivity</b>	Serial-to-Ethernet	Serial-to-Ethernet	Serial-to-Ethernet	Serial-to-Ethernet	Serial-to-Ethernet	Serial-to-Ethernet	Serial-to-Ethernet
<b>Operating System</b>	CoBos	CoBos	CoBos	Evolution OS	Evolution OS	CoBos	Cobos
<b>DHCP, BOOTP, and AutoIP</b>	•	•	•	•	•	•	•
<b>FTP/TFTP</b>	-/•	-/•	-/•	•/•	•/•	-/•	-/•
<b>Telnet</b>	•	•	•	•	•	•	•
<b>SSH/SSL</b>				•	•		
<b>SNMP</b>	V1 read only	V1 read only	V1 read only	V2c	V2c	V1 read only	V1 read only
<b>Web Manager</b>	•	•	•	•	•	•	•
<b>Hostlist (Sequential-host)</b>	•	•	•	•	•	•	•
<b>Hostlist (Multi-host)</b>				•	•		
<b>Serial Tunneling</b>	•	•	•	•	•	•	•
<b>Modem Emulation</b>	•	•	•	•	•	•	•
<b>Modbus</b>	(model specific)			•	•	(model specific)	•
<b>Email Notification</b>				•	•		
<b>Serial Interface</b>	RS-232 or RS-232/422/485 (model specific)	RS-232/422/485 x 2	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
<b>Serial Connector Type</b>	DB9, Female, DCE	DB9, Male, DTE	DB9, Male, DTE	DB25, Female, DCE	DB9, Male, DTE	RJ45 (RS-232/422/485) Terminal Block (RS485 only)	RJ45 (SP1, SP2) Terminal Block (SP2, RS 485 only)
<b>Serial Data Rate (bps)</b>	300 - 921600	300 - 230400	300 - 230400	300 - 230400	300 - 230400	300 - 115200	300 - 230400
<b>POE (Power-over-Ethernet)</b>	(model specific)						
<b>Flash/RAM</b>	1MB / 256KB	22MB / 256KB	22MB / 256KB	8MB / 8MB	8MB / 8MB	512KB/256KB	2MB / 256KB
<b>Network Interface</b>	10/100Base-T	10/100 Base-T	10/100 Base-T	10/100Base-T	10/100Base-T	10/100Base-TX Ethernet	10/100Base-T x 2
<b>Power Input</b>	5-15 VDC (Mini-USB) 5-15 VDC (DB9F 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)
<b>Serial Interface Transient Protection</b>	15 KV ESD	15KV ESD	15KV ESD	15 KV ESD	15 KV ESD	15 KV ESD	15 KV ESD
<b>MAX Power Use (Watts)</b>	1.3 W (non-PoE models) 2 W (PoE model)	1.8 W	1.8 W	1.8 W	1.8 W	3 W	2.3 W
<b>Dimensions (LxWxH)</b>	24.0 x 3.3 x 2.9 cm 9.5 x 1.3 x 1.1 in (length includes serial cable)	9.5 x 7.2 x 2.3 cm 3.7 x 2.8 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
<b>Operating Temperature C°/F°</b>	-40°C to 85°C, non PoE model -40°C to 70°C, PoE model	0°C to 60°C 32°F to 140°F	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
<b>Warranty</b>	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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Features	EDS4100	EDS8/16PS	EDS8/16/32PR	EDS-MD®	PremierWave® XC HSPA+	SGX 5150
<b>Category</b>	Ethernet Device Server				IoT Gateway	
<b>Connectivity</b>	Serial-to-Ethernet	Serial-to-Ethernet	Serial-to-Ethernet	Serial-to-Ethernet	Ethernet-to-Cellular Serial to Cellular Serial-to-Ethernet	Ethernet/Serial/USB-to-Wi-Fi Ethernet-to-Wi-Fi/Concurrent SoftAP SoftAP to Ethernet Host Serial/USB-to-Ethernet
<b>Operating System</b>	Evolution OS®	Evolution OS®	Evolution OS®	Linux	Linux	Linux
<b>Serial Tunneling (Seq/Multi-Host List)</b>	•	•	•	•	•	•
<b>Modem Emulation</b>	•	•	•	•	•	•
<b>Modbus</b>	•				•	•
<b>802.11 Bridging</b>						•
<b>Wireless Router Mode (With or w/o NAT)</b>						•
<b>Port Forwarding</b>					•	•
<b>IPSEC Support</b>					•	•
<b>SNMP</b>	V2c	V2c	V2c	V2c	V2c	V2c
<b>DHCP, BOOTP, and AutoIP</b>	•	•	•	•	•	•
<b>FTP/TFTP</b>	•	•	•	•	•	•
<b>Web Manager</b>	•	•	•	•	•	•
<b>Email Notification</b>	•	•	•	•	•	•
<b>Wireless Technology</b>					UMTS/HSPA+ GSM/GPRS/EDGE	802.11 a/b/g/n/ac 2.4GHz and 5GHz
<b>Wireless (Wi-Fi Security)</b>						WEP, WPA/WPA2-PSK, IEEE802.1x WPA2-Enterprise (EAP/PEAP/LEAP/FAST)
<b>Serial Interface</b>	RS-232 x 2 RS-232/422/485 x 2	RS-232 x 8 / 16 (model specific)	RS-232 x 8 / 16 / 32 (model specific)	RS-232 x 4 / 8 / 16 (model specific)	RS-232/422/485 x 2	RS-232/422/485 x 1 RS-232/422/485 x 2 (model specific)
<b>Serial Connector Type</b>	DB9, Male, DTE	RJ45	RJ45	RJ45 (IEC-60601 compliant)	DB9, Male, DTE	RJ45
<b>Serial Data Rate (bps)</b>	300-230400	300 - 230400	300 - 230400	300 - 921600	300 - 921600	300 - 921600
<b>USB</b>						USB Type C - USB Device USB Configurable Host
<b>Soft AP (Access Point)</b>						Up to 14 soft AP connections Simultaneous Soft AP + Client Mode
<b>Digital I/O</b>					Digital Input x 2 Relay Output x 1	
<b>POE (Power-over-Ethernet)</b>	•					(model specific)
<b>Flash/RAM</b>	8MB / 32MB	8MB / 64MB	8MB / 64MB	8MB / 256MB	64MB / 64MB	128MB / 64MB
<b>Network Interface</b>	10/100Base-T	10/100Base-T	10/100Base-T	10/100/1000Base-T	10/100Base-T	10/100Base-T
<b>Power Input</b>	9-30 VDC (Barrel Connector) 42-56 VDC (Terminal Block)	100-240 VAC (50-60Hz IEC-type cord)	100-240 VAC (50-60Hz IEC-type cord)	100-240 VAC (IEC-60320 compliant)	9-30 VDC (Barrel Connector)	9-30 VDC (Barrel Connector) 5V USB
<b>Serial Interface Transient Protection</b>	15 KV ESD	15 KV ESD	15 KV ESD	15 KV ESD	15 KV ESD	15 KV ESD
<b>MAX Power Use (Watts)</b>	4 W	20 W	20 W	23 W	3.6 W (without USB load)	1.9 W (without USB load)
<b>Dimensions (LxWxH)</b>	12.7 x 17.7 x 3.8 cm 5.0 x 6.95 x 1.5 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	30.5 x 43.8 x 4.34 cm 12 x 17.25 x 1.75 in	21.0 x 19.0 x 6.0 cm 8.25 x 7.5 x 2.4 in	10.9 x 10.9 x 3.0 cm 4.3 x 4.3 x 1.2 in	10.8 x 7.2 x 3.3 cm 4.25 x 2.8 x 1.3 in
<b>Operating Temperature C°/F°</b>	0°C to 55°C 32°F to 131°F	0°C to 55°C 32°F to 131°F	0°C to 50°C 32°F to 122°F	0°C to 55°C 32°F to 131°F	-40°C to 70°C -40°F to 158°F	-40°C to 70°C -40°F to 158°F
<b>Warranty</b>	2-Year Limited	2-Year Limited	2-Year Limited	5-Year Limited	5-Year Limited	5-Year Limited