



Features	XDirect®	UDS1100	UDS2100	EDS1100	EDS2100	XPress™ DR	XPress™ DR +
Category				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
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	•	•	•	•	•	•	•
Modbus	(model specific)			•	•	(model specific)	•
Email Notification				•	•		
Serial Interface	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
Serial Connector Type	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)
Serial Data Rate (bps)	300 - 921600	300 - 230400	300 - 230400	300 - 230400	300 - 230400	300 - 115200	300 - 230400
POE (Power-over-Ethernet)	(model specific)						
Flash/RAM	1MB / 256KB	22MB / 256KB	22MB / 256KB	8MB / 8MB	8MB / 8MB	512KB/256KB	2MB / 256KB
Network Interface	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
Power Input	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)
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)	1.8 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)	9.5 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
Operating Temperature C°/F°	-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
Warranty	5-Year Limited	2-Year Limited	2-Year Limited	2-Year Limited	2-Year Limited	1-Year Limited	2-Year Limited

Lantronix Corporate Headquarters
7535 Irvine Center Dr., S. 100, Irvine CA 92618
t: 800.422.7055
sales@lantronix.com

European Headquarters
t: +31 (0) 76 52 36 74 4
eu_sales@lantronix.com

Asia/Pacific Headquarters
t: +852 3428 2338
asiapacific_sales@lantronix.com

Japan Headquarters
t: +81 (0) 80 7968 3030
sales_japan@lantronix.com





Features	EDS4100	EDS8/16PS	EDS8/16/32PR	EDS-MD®	PremierWave® XC HSPA+	SGX 5150
Category	Ethernet Device Server				IoT Gateway	
Connectivity	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
Operating System	Evolution OS®	Evolution OS®	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	V2c	V2c	V2c	V2c	V2c	V2c
DHCP, BOOTP, and AutoIP	•	•	•	•	•	•
FTP/TFTP	•	•	•	•	•	•
Web Manager	•	•	•	•	•	•
Email Notification	•	•	•	•	•	•
Wireless Technology					UMTS/HSPA+ GSM/GPRS/EDGE	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)
Serial Interface	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)
Serial Connector Type	DB9, Male, DTE	RJ45	RJ45	RJ45 (IEC-60601 compliant)	DB9, Male, DTE	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
Soft AP (Access Point)						Up to 14 soft AP connections Simultaneous Soft AP + Client Mode
Digital I/O					Digital Input x 2 Relay Output x 1	
POE (Power-over-Ethernet)	•					(model specific)
Flash/RAM	8MB / 32MB	8MB / 64MB	8MB / 64MB	8MB / 256MB	64MB / 64MB	128MB / 64MB
Network Interface	10/100Base-T	10/100Base-T	10/100Base-T	10/100/1000Base-T	10/100Base-T	10/100Base-T
Power Input	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
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)	4 W	20 W	20 W	23 W	3.6 W (without USB load)	1.9 W (without USB load)
Dimensions (LxWxH)	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
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 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
Warranty	2-Year Limited	2-Year Limited	2-Year Limited	5-Year Limited	5-Year Limited	5-Year Limited