

DEVICELINX[®] EMBEDDED NETWORKING MODULES



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Features	XPort [®]	XPort [®] Pro	XPort [®] Direct+	MatchPort [®] b/g	MatchPort [®] b/g Pro	MatchPort AR	MatchPort NR	PremierWave-EN
Operating system	CoBos	Evolution OS™/Linux	CoBos	CoBos	Evolution OS	Evolution OS/Linux	CoBos*	Linux
10/100 Ethernet (*external RJ45 jack)	•	•	•	•*	•*	•*	•	•
Wireless 802.11 b/g (*a/b/g/n)				•	•			•*
LAN ↔ 802.11 bridging				•	•			•
TCP / UDP client-server	•	•	•	•	•	•	•	•
Telnet	•	•	•	•	•	•	•	•
DHCP, BOOTP & AUTOIP	•	•	•	•	•	•	•	•
TFTP (*FTP)	•	•*	•	•	•*	•*	•	•*
PPP	•*	•	•*	•*	•	•	•*	•
SNMP	•	•	•	•	•	•	•	•
Web server - HTTP	•	•	•	•	•	•	•	•
Web server - CGI (*Custom)	•*	•	•*	•*	•	•	•*	•*
Web server - AJAX		•			•	•		•
SSL Secure web server		•			•	•		•
SSL Secure data tunneling		•			•	•		•
SSH client & server		•			•	•		•
Enterprise-grade security & authentication protocols for WLAN					•			•
VIP Access (*Evolution)		•*			•	•		•
IPv6 (*Linux SDK Development Platform)		•*				•*		•*
Java support	•	•	•	•	•	•	•	•
AES Encryption (*Option **3DES and RC4)	•*	•**	•	•	•	•	•	•*
Max Configurable GPIO pins (*RTS/CTS on configurable pins)	3*	3*	3	8	7	7	8	9
Software Development Kit (*CPK)	•*	•	•*	•*	•	•	•*	•*
Flash/RAM	512KB/256KB	16MB/8MB	512KB/256KB	2MB/256KB	8MB/8MB	4MB/8MB	2MB/256KB	256MB/64MB
Maximum serial data rate	921 Kbps	921 Kbps	921 Kbps	921 Kbps	230 Kbps	230 Kbps	921 Kbps	921 Kbps
Web manager (for configuration)	•	•	•	•	•	•	•	•
Email client (*Subject Line Only)	•*	•	•*	•*	•	•	•*	•
Operating Temperature (C°/F°)	-40 to 85°C or 0 to 70°C -40 to 185°F or 32 to 158°F	-40 to 85°C -40 to 185°F	-40 to 85°C -40 to 185°F	-40 to 70°C -40 to 158°F	-40 to 70°C -40 to 158°F	-40 to 70°C -40 to 158°F	-40 to 85°C -40 to 185°F	-40 to 85°C -40 to 185°F
Dimensions (mm)	33.9 x 16.25 x 13.5	33.9 x 16.25 x 13.5	44.3 x 31.75 x 11.76	44.4 x 44.4 x 10.4	44.4 x 44.4 x 10.4	44.4 x 44.4 x 10.4	44.4 x 44.4 x 10.4	30 x 55 x 8
Serial Interface/# of Ports (*5V Tolerance)	CMOS 3.3V*/1	CMOS 3.3V*/1	CMOS 3.3V*/1	CMOS 3.3V*/2	CMOS 3.3V/2	CMOS 3.3V/2	CMOS 3.3V*/2	CMOS 3.3V/2
Power Over Ethernet (Pass through)				•	•	•	•	•
SmartRoam™				•	•	•		•



Features	UDS1100	UDS2100	WiBox	EDS1100	EDS 2100	EDS4100	EDS8/16PS	XPress DR
Connectivity	Serial-to-Ethernet	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™	Evolution OS™	Evolution OS	CoBos
DHCP, BOOTP, and AutoIP	•	•	•	•	•	•	•	•
FTP/TFTP	-/•	-/•	-/•	•/•	•/•	•/•	•/•	•
Telnet	•	•	•	•	•	•	•	•
SSH/SSL				•	•	•	•	
SNMP	•	•	•	•	•	•	•	•
Web Manager	•	•	•	•	•	•	•	•
Hostlist (Sequential-host)	•	•	•					•
Hostlist (Multi-host)				•	•	•	•	
Tunneling	•	•	•	•	•	•	•	•
Modem Emulation	•	•	•	•	•	•	•	•
Wireless 802.11 b/g			•					
802.11 bridging			•					
VIP Access				•	•	•	•	
Serial Interface (# of ports)	RS-232/422/485 (1)	RS-232 (2)	RS-232 (1), RS-232/422/485 (1)	RS-232/422/485 (1)	RS-232 (2)	RS-232 (2), RS-232/422/485 (2)	RS-232 (8/16)	RS-232/485,r RJ45/Screw Block
Connector Type	DB25, Female, DCE	DB9, Male, DTE	DB9, Male, DTE	DB25, Female, DCE	DB9, Male, DTE	DB9, Male, DTE	RJ45	DB9, Male, DTE
Network Interface	10/100Base-T	10/100Base-T	802.11 b/g, 10/100Base-T	10/100Base-T	10/100Base-T	10/100Base-T	10/100Base-T	10/100Base-T
Data Rate (bps)	300 - 230400	300 - 230400	300 - 921600	300	300	300 - 230400	300 - 230400	300 - 230400
Flash/RAM	2MB / 256KB	2MB / 256KB	2MB Standard /	8MB / 64MB	8MB / 64MB	8MB / 64MB	8MB / 64MB	8MB / 64MB
Required Input Power	9-30 VDC or 9-24 VAC (Barrel Connector)	9-30 VDC or 9-24 VAC (Barrel Connector)	9-30 VDC or 9-24 VAC	9-30 VDC	9-30 VDC	9-30 VDC (Barrel Connector) or 42-56 VDC (Screw Terminal)	100-240 VAC (50-60Hz IEC-type cord)	
Serial Interface Transient Protection	15 KV ESD		•	15 KV ESD	15 KV ESD	15 KV ESD		15 KV ESD
Max. Power Use (Watts)	1.5	1.8	2.5	1.8	1.8	4	20	4
Dimensions (LxWxH)	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	9.5 x 7.2 x 13.97 cm 3.7 x 2.8 x 5.5 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	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	6.1 x 3.6 x 8.8 cm 2.4 x 1.4 x 3.5 in
Operating Temperature C°/F°	-40C to 70C -40F to 167F	-40C to 70C -40F to 167F	-40C to 70C -40F to 167F	-40C to 85C -40F to 185F	-40C to 85C -40F to 185F	0C to 55C 32F to 131F	0C to 55C 32F to 131F	0C to 60C 32F to 140F
Wireless Security			WEP, WPA-PSK, 802.11i					