

# EB-412

## 4-Port Serial To Ethernet Converter



### Feature

- 3000V DC Isolation
- 32M Bytes Flash ROM
- Built-in 1.5KV Magnetic Isolation



## Specifications

### System

CPU	MT7688AN MIPS CPU, 580 MHz
RAM	128M Bytes DDR2 RAM
ROM	32M Bytes Flash ROM
OS	OpenWrt Linux OS

### Ethernet

Port Type	RJ-45 Connector
Speed	10 /100 M bps ( Auto Detecting )
Protocol	ARP, IP, ICMP, UDP, TCP, HTTP, DHCP
Protocol	DNS , NTP
Mode	TCP Server / TCP Client / UDP
Setup	HTTP Browser Setup (IE, Chrome, Firefox)
Security	Setup Password
Protection	Built-in 1.5KV Magnetic Isolation

### Serial Ports \*4

Port	RS – 232, RS-422/485 (RS-232 RX/TX only)
Port	RS - 422 / 485 ( Surge Protect )
Speed	300 bps ~ 230.4 K bps
Parity	None , Odd , Even , Mark , Space
Data Bit	5 , 6 , 7 , 8
Stop Bit	1 , 2
RS-232 Pins	Rx , Tx , GND
RS-422	Rx+ , Rx- , Tx+ , Tx- ( Surge Protect )
RS-485	Data+ , Data- ( Surge Protect )
Protection	15KV ESD for all signals

## Power

Input	DC 9~32 V , 1000 mA 1000mA@12V, support DC Jack & Terminal Input
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## WiFi port (Optional)

Standard	2.4G IEEE 802.11b/g/n
Data Rate	11/54/72.2 Mbps @ 20Mhz Band Width
Modulation	DSSS; OFDM
Frequency	2.4GHz
Tx Power 11b	Max. 22dBm
Tx Power 11g/n	Max. 19dBm
Rx Sensitivity	-76dBm@54Mbps; -89.5dBm@11Mbps
Tx Rate	Max. 54Mbps with auto fallback
Tx Distance	Up to 100m
Security	WEP 64-bit / 128-bit data encryption, WPA / WPA2 personal
Antenna	2 dBi ; RP-SMA connector
Network Mode	Infrastructure, Soft AP (for Setup)
Mode	TCP Server/ TCP Client/ UDP/ Virtual Com/Pairing
Setup	HTTP Browser Setup (IE, Chrome, Firefox)
Security	Login Password

## Mechanical and Environment

Operating Temperature	-20℃~70℃
Storage Temperature	-25℃~80℃
Dimensions	198 * 110 * 34 mm ( W * D * H ), W+16mm x2 for din rail extension
Weight	660 gm

## Other Features

Led Lamp	SYS (PWR) , LAN , RX , TX
	Watch Dog Function

## Regulatory Approvals

RoHS	Compliant with RoHS
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## Warranty

Warranty period	1 year
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## Ordering Information

EB-412-L	4-Port Serial To Ethernet Converter
EB-412-W	4-Port Serial To Ethernet Converter with Wi-Fi

Due to continuous improvement, all product specifications are subject to change without further notice.



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