



4 PORT SERIAL TO ETHERNET CONVERTERS

DDSE SERIES



TECHNICAL SPECIFICATIONS

HARDWARE

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

ETHERNET

1 PORT

Port Type	RJ45 Connector
Speed	10 / 100 M bps (Auto Detecting), Auto MDI/MDI-X
Protocol	ARP, IP, ICMP, UDP, TCP, HTTP, DHCP, NTP, FTP
Mode	TCP Server / TCP Client / UDP
Setup	HTTP Browser Setup (IE & Netscape), Console
Security	Setup Password
Protection	Built-in 1.5KV Magnetic Isolation

SERIAL PORT

4 PORTS

Port	232/485/422 * 4 Port, RS232 - RX/TX/GND only
RS485 Pins	Data+, Data- (Surge Protected)
RS422 Pins	Rx+, Rx-, Tx+, Tx-, GND (Surge Protected)
RS232 Pins	RX / TX / GND only
Speed	300 bps to 921.6 Kbps
Parity	None, Odd, even, Mark, Space
Data Bit	5, 6, 7, 8
Stop Bit	1, 2
Port	RS422 / 485 Surge Protected
ESD	15KV ESD for all signals
Port Isolation	3000V DC

WIFI PORT (OPTIONAL)

Standard	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, Ad-Hoc; Soft AP (for Setup)
Mode	TCP Server / TCP Client / UDP / Virtual Com / Pairing
Setup	HTTP Browser Setup (IE, Chrome, Firefox)
Security	Login Password
Reset Button	

POWER

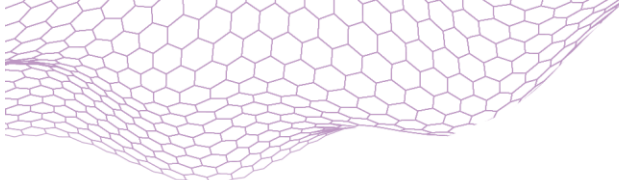
Dual Power	24V DC. (Range 9 to 24V DC). 300 mA @ 12V, Terminal block Reverse polarity protection DC Jack for External Adapter (Adapter not a standard Supply)
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OTHER FEATURES

Digital input output	GPIO * 8 Pins
Indications	LEDs for SYS, PWR, LAN, RX, TX, Wi-Fi
Watch Dog Function	

PHYSICAL CHARACTERISTICS

Dimension	195 * 120 * 35mm
Enclosure	Metal
Weight	660g
Mounting	Back of Panel / Provision for DIN Rail



ENVIRONMENT

Working Temperature	-20°C to +70°C
Storage Temperature	-25°C to +80°C

ORDERING INFORMATION

DDSE I 4 K

DDSE	Serial to Ethernet Converter
I	Isolated Version
4	232/485/422 * 4 Port
K	Fixed



DATA BRIDGE
D Y N A M I C