



DUAL PORT MODBUS RTU/ASCII TO MODBUS TCP CONVERTERS

DDSE SERIES



SYNOPSIS

- DDSE M 2 485 MT502 D24 K SERIAL PORT MODBUS RTU TO MODBUS TCP PROTOCOL CONVERTER.
- HIGH END CPU MAKES IT AN IDEAL CHOICE FOR APPLICATIONS LIKE ENERGY METERS, SOLAR CONTROLS, DATA CONNECTIVITY APPLICATIONS BETWEEN DCS, PLC, HMI, SENSORS, MEASURING INSTRUMENTS ETC.
- BOTH THE SERIAL PORTS ARE RS485/422 CONFIGURABLE.
- IT HAS DUAL POWER INPUT WITH AN ADDITIONAL OPTION OF POE POWER
- MODBUS TCP MASTER: BOTH PORTS NUMBER CAN BE 502
- TCP TO RTU SUPPORT 8 SIMULTANEOUS TCP MASTER, 32 SIMULTANEOUS REQUESTS PER MASTER
- IT HAS DUAL POWER INPUT WITH AN ADDITIONAL OPTION OF POE POWER
- SUPPORT IP FILTER

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

Port Type	1 Port * RJ45 Connector
Speed	10 /100 M bps (Auto Detecting)
Protocol	ARP, IP, ICMP, UDP, TCP, HTTP, DHCP, NTP, DNS
Mode	TCP Master only Modbus TCP Master Only: Both ports number can be 502
Setup	HTTP Browser Setup, IE, Chrome, Firefox, Console
Security	Setup Password
Protection	Built-in 1.5KV Magnetic Isolation

SERIAL PORT

Port	RS 485/422 * 2 Port
RS485 Pins	Data+, Data- GND, Surge Protected
RS422 Pins	Rx+, Rx-, Tx+, Tx-, GND, Surge Protected
Speed	300 bps to 921.6 Kbps
Parity	None, Odd, Even
Data Bit	5, 6, 7, 8
Stop Bit	1, 2
15KV ESD for all signals	

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, Soft AP (for Setup)
Mode	TCP Server / TCP Client / UDP / Virtual Com / Pairing

POWER

Dual Power	24V DC. (Range 9 to 24V DC). 200 mA @ 12V, Terminal block DC Jack for External Adapter (Adapter not a standard Supply) 48, 110, 220V DC. 3 Pin Terminal block 230V AC Range 165V AC to 265V AC, 3 Pin Terminal block Power over Ethernet 802.3 af (optional)
-------------------	---

OTHER FEATURES

Config Utility	WIN-10, Win-8, Win-7, Vista, Win-XP, Win-2003 server, Win-2000
Security	Login Password
Indications	LED's for SYS, PWR, LAN, RX, TX
Real Time Clock	
Watch Dog Function	

MECHANICAL

Dimension	110 * 33 * 113 mm (H * W * D) for DC Supply 110 * 33 * 140 mm (H * W * D) for AC Supply
Housing	Metal
Weight	450g
Mounting	DIN Rail

ENVIRONMENT

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

ORDERING INFORMATION

DDSE M 2 485 MT502 A/D XXX K

DDSE M 2 485	Base Code for 2 Port RS485/422 Modbus RTU to Modbus TCP Converter
MT502	Fixed Both Serial Ports have same port number (502)
A/D	A: AC Voltage D: DC Voltage
XXX	230 for 230V AC. 24, 48, 110, 220 for DC input
P	POE- af Power optional
W	Wi-Fi Optional
K	Fixed