



MBP-200 Industrial Grade Dual Sim Cellular Router

Description:

The MBP-200 Dual SIM Cellular Communication Router is designed to provide Secure and Reliable Connectivity for Remote Locations. With Cellular (2G - 5G), Wifi, and Ethernet connectivity and additional Features such as Dual SIM, Failover and VPN Support, the MBP-200 Cellular Router is ideal for a Large range of Applications such as Renewable Energy, Electrical Utilities, Sub-Stations, Telemetry, Smart Cities, etc.

The MBP-200 has a High Performance 32-Bit communication processor and industrial grade wireless module and uses an embedded RTOS (Real Time Operating System). The Router features 1 RS232 Port, 1 RS232 / RS485 Port, 1 Ethernet LAN Port, 1 Ethernet WAN Port which can be easily connected to both Serial and Ethernet Devices along with Wifi to achieve Transparent Data Transmission and Data Routing.



Benefits & Features:



Industrial Grade 32-Bit Processor



Anti Interference Technology with EMC Protection



Metal Enclosure suitable for Industrial Grade applications



Multiple Ports (Serial, Ethernet) to support a large range of devices



Supports Wifi



Powerful and Intelligent Data Terminal for automatic Data Transmission after Power On



Configuration through Web Server and Command Line Interface



Cellular Link Redundancy with Dual SIM



Description:



WDT Watchdog design for system stability



Anti-drop mechanism to ensure data Terminal is always online



ETH Interface has a built-in 1.5KV Electromagnetic Isolation



RS232 and RS485 Ports have a built in 15KV ESD protection



SIM Card Interfaces have a 15KV ESD Protection



Power Interface has built-in Reverse Phase protection along with over Voltage protection

Cellular Standards

Standards and Frequency Bands LTE-TDD B38 / B40 / B41
LTE-FDD B1 / B2 / B3 / B4 / B5 / B7 / B8 / B20 / B28
WCDMA / HSPA+ B1 / B3 / B5 / B8 GSM / GPRS / EDGE 850 / 900 / 1800 MHz

Bandwidth FDD: Downlink: 100 Mbps, Uplink: 40 Mbps
DC-HSPA+: Downlink: 42 Mbps, Uplink: 5.76 Mbps
HSPA+: Downlink: 21 Mbps, Uplink: 5.76 Mbps
HSDPA: Downlink: 7.2 Mbps, Uplink: 5.76 Mbps
UMTS: 384 Kbps

Transmit Power < 23 dBm

Receiver Sensitivity > - 97 dBm

Wifi Standards

Standards and Frequency Bands IEEE 802.11 b/g/n

Bandwidth IEEE 802.11 b/g: 54 Mbps
IEEE 802.11 n: 150 Mbps

Secure Encryption WEP, WPA, WPA2, WPA3 and other Encryption Modes

Transmit Power 20 dBm (11n), 24 dBm (11g), 26 dBm (11b)

Receiver Sensitivity <- 72 dBm @ 54 Mbps

Power, Hardware, and Interfaces

CPU Industrial Grade 32 Bit Processor

FLASH 16 MB

Power Supply Industrial Grade 32 Bit Processor

Standby Power Consumption 95 mA @ 12 VDC

Communication Power Consumption 150 mA @ 12 VDC

Button Reset Button

SIM / UIM 2 Standard SIM Card Interfaces.
1.8V / 3V SIM / UIM Card
15 KV ESD Protection

Indicator Light 1 Power Light (Red)
1 Network Light (Green)
1 SIM Card Light (Green)
1 Online Light (Green)

Serial Ports 1 RS232 Port, 1 RS485 Port
Data Bits: 5, 6, 7, 8 Bits
Stop Bits: 1, 1.5, 2 Bits
Parity: No Parity, Even Parity, Odd Parity
Baud Rate: 4800 - 115200

WAN 1 x 10 / 100 Mbps Ethernet Port
Adaptive MDI / MDIX
15KV ESD Protection

LAN 1 x 10 / 100 Mbps Ethernet Port
Adaptive MDI / MDIX
15KV ESD Protection

Network Protocols

WAN Static IP, DHCP, PPPOE, 2G / 3G / 4G / 5G

VPN Client PPTP, L2TP, IPSEC, OPENVPN, GRE

VPN Server PPTP, L2TP, IPSEC, OPENVPN, GRE

Configuration Remote Management, SYSLOG, SNMP, TELNET, SSHD, HTTPS, HTTP, SMS

Network Protocols TCP/IP
UDP
HTTP, HTTPS
NTP
TELNET
DDNS
APN / VPDN
DHCP Server / Client

Security SPI Firewall
VPN Traversal
Access Control
URL Filtering, etc.

Others DHCP Binding MAC Address, DDNS, Firewall, NAT, DMZ Host, QOS, Traffic Statistics, Real-Time Display of Data Transmission Rate, SMS, Phone Ringing, Network Data Trigger Online / Offline

Physical Properties

Dimensions 94 x 89 x 28 mm (Not including Antenna + Mounting)

Bandwidth Approx. 330g

Operating Temperature - 35C to + 75C

Storage Temperature - 40C to + 85C

Relative Humidity 95% RH (Non Condensing)