

Dualmax

Dual SIM Ethernet Router

MA-2055

The Dualmax dual SIM router is a versatile low-cost industrial router. Boasting a wide variety of software and hardware features packed into a small form factor its perfect for applications where space is at a premium but a rich feature set is still needed.

Ideal for applications where internet back haul is required, such as Telemetry, signage or solar inverter monitoring, where a small device is required.

Capable of covering wide areas to enable users to manage, control and command data both efficiently and effectively this versatile device can provide solutions for a wide range of industrial applications.



Features:

- Dual SIM router for carrier backup
- Fail over to Ethernet for added redundancy
- CAT4 module 150 (DL)/ 50 (UL)
- Multiple connectivity options including: cellular, Ethernet, serial (RS232), and I/O
- DIN or wall mount options
- Enabled with security frameworks including: IPsec/OpenVPN/GRE/L2TP/PPTP/DMVPN
Insert feature 7
- Supports a rich range of protocols including: SNMP, Modbus bridging, RIP, OSPF
- Supports AAA (Radius, TACACS+, LDAP, local Authentication) and multiple levels of user authority
- x2 Ethernet ports

Hardware System	
CPU	528 MHz, ARM Cortex A7
Memory	128 MB Flash, 128 MB DDR3 RAM
Storage	1 x Micro SD
Ethernet Interface	
Ports	2 x RJ-45
Property	1 x WAN + 1 x LAN or 2 x LAN
Physical Layer	10/100 Base-T (IEEE 802.3)
Data Rate	10/100 Mbps (Auto-Sensing)
Interface	Auto MDI/MDIX
Mode	Full or half duplex (Auto-Sensing)
Cellular Interfaces	
Connectors	2 x 50 Ω SMA (Center PIN: SMA Female)
SIM Slots	2
Serial Interface	
Ports	1 x RS232
Connector Terminal block	Terminal block
Baud Rate	300bps to 230400bps
IO	
Connector	Terminal block
Digital IO	1 x DI + 1 x DO

Dualmax

Dual SIM Ethernet Router

MA-2055

Software	
Network Protocols	PPP, PPPoE, SNMP v1/v2c/v3, TCP, UDP, DHCP, RIPv1/v2, OSPF, DDNS, VRRP, HTTP, HTTPS, DNS, ARP, QoS, SNTP, Telnet, VLAN, SSH, etc.
VPN Tunnel	DMVPN/IPsec/OpenVPN/PPTP/L2TP/GRE
Access Authentication	CHAP/PAP/MS-CHAP/MS-CHAPV2
Firewall	ACL/DMZ/Port Mapping/MAC Binding/SPI/URL Filter
Management	Web, CLI, SMS, On-demand dial up
Cellular	
4G LTE-FDD	B1/B2/B3/B4/B5/B7/B8/B28
4G LTE-TDD	B40
WCDMA	B1/B2/B5/B8
Power Supply and Consumption	
Power Input	Connector 2-pin with 5.08 mm terminal block
Input Voltage	9-48 VDC
Power Consumption	Typical 1.9 W, Max 2.4 W
Physical Characteristics	
Ingress Protection	IP30
Housing & Weight	Metal, 271 g
Dimensions	108 x 90 x 26 mm (4.25 x 3.54 x 1.02 in)
Mounting	Desktop, Wall or DIN Rail Mounting
Reset Button	1 x RESET
LED Indicators	1 x POWER, 1 x SYSTEM, 1 x SIM, 3 x Signal strength
Environmental	
Operating Temperature	Operating Temperature -40°C to +70°C (-40°F to +158°F) Reduced Cellular Performance Above 60°C
Storage Temperature	-40°C to +85°C (-40°F to +185°F)
Ethernet Isolation	1.5 kV RMS
Relative Humidity	0% to 95% (non-condensing) at 25°C/77°F