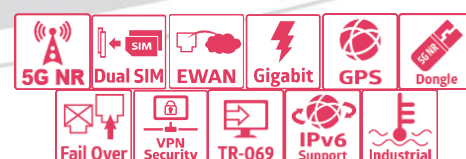




MX-220d 5G

Advanced Industrial 5G Router



MX-220d 5G – Advanced Industrial 5G Router

Features & Specifications

■Availability and Resilience

- Dual SIMs (Dual SIM Single Standby)
- Dual-WAN Interfaces (5G NR, GbE WAN)

■Embedded 5G NR sub-6GHz^{*1}

- 5G NR sub-6 GHz (3GPP Rel-16)
 - Band(NA&NSA): n1, n2, n3, n5, n7, n8, n20, n25, n28, n30, n38, n40, n41, n48, n66, n71, n75, n77, n78, n79
 - Supports MIMO:
 - DL 4x4: n1, n2, n3, n7, n25, n30, n38, n40, n41, n48, n66, n75, n77, n78, n79
 - UL 2x2 (5G SA mode only): n38, n41, n48, n77, n78, n79
 - Modulation: DL 256QAM / UL 256QAM
- 4G LTE (CAT 19)
 - Band(FDD&TDD): B1, B2(B25), B3, B4(B66), B26(B5, B18, B19), B7, B8, B12(B17), B13, B14, B20, B28, B29(DL), B30, B32(DL), B34, B38, B39, B40, B41, B42, B43, B46(LAA), B48(CBRS), B71
 - Supports MIMO:
 - DL 4x4: B1, B2, B3, B4, B7, B25, B30, B32, B34, B38, B39, B40, B41, B42, B43, B48, B66
 - Modulation: DL 256QAM / UL 256QAM
- Supported data rate:
 - 5G NSA: 550Mbps/ 80Mbps (DL/UL)

■Network Protocols and Features

- Dual WAN Failover/ Failback
- Dual WAN Load Balancing
- IPv4, IPv6, IPv4/IPv6 dual stack^{*2}
- Dual APN^{*2}
- Keep Alive
- IP Pass-Through
- NAT, Virtual Server and DMZ
- Static Routing, Dynamic Routing (RIP v1/v2, OSPF, BGP)
- SNTP, DNS relay and DDNS
- Universal Plug and Play (UPnP) compliant
- Supports DHCP server/client/relay

■Virtual Private Network (VPN)

- IPSec
- PPTP
- L2TP
- GRE
- OpenVPN

■Firewall

- Built-in NAT Firewall
- Stateful Packet Inspection (SPI)
- Prevents DoS attacks including Land Attack, Ping of Death, etc.
- Access Control
- IP Filtering, MAC Filtering, URL Filtering
- VPN Pass-through

■USB Slave

- 5G NR dongle
- USB 3.0, Type A

■Global Navigation Satellite System (GNSS)^{*3}

- Embedded multi-GNSS engine for GPS or GLONASS system

■Management

- Password protection for system management
- Web-based GUI for remote and local management
- Firmware upgrade and configuration data upload and download via web-based GUI
- CWMP(TR-069)^{*2}, SNMP
- Cellular data usage allowance
- Remote System Log monitoring
- Scheduling Auto-Reboot
- Physical layer/protocol diagnostic test tool
- BECentral® Cloud-Based Remote Management

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■Hardware Specifications

Physical Interface

- WAN: 5G NR (and/or GbE WAN)
- Ethernet LAN: 10/100/1000Mbps auto-crossover
- SIM Slot: micro-SIM(3FF)
- USB Port: Slave device (5G NR dongle)
- Reset Button: System reboot, System reset.
- Power Connector: 1x2 terminal block
- LED Indicators: Power(System), Internet, WWAN, LAN
- Antenna: 5G NR detachable wideband antennas

External Connector

- 5G NR Antenna: SMA x four (4)
- Gigabits Ethernet: RJ-45 x two (2)
- SIM Slot: micro-SIM(3FF) slot with cover x two (2)
- USB Slave port: USB 3.0, Type A x one (1)
- Reset Button: x one (1)
- Power Connector: 1x2 terminal block x one (1)

Power Specifications

- Power Input: DC 9V~56V
- Power Consumption: 11W

Physical Specifications

- Dimensions: 109.3 x 85.7 x 28.9 mm (without antenna connector protrusion included)
- Weight: 420g

IP Rating

- IP30

Operating Requirements

- Operating: -20°C to 60°C
- Humidity: 20 ~ 95% non-condensing

Notes:

1. The 5G NR/ 4G LTE is dependent on your local service provider.
2. Only upon request for Telco/ ISP tender projects.
3. The support for GPS and/or GLONASS functions depends on the equipped module's capabilities.
4. Specifications in this datasheet are subject to change without prior notice.

■代理商



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