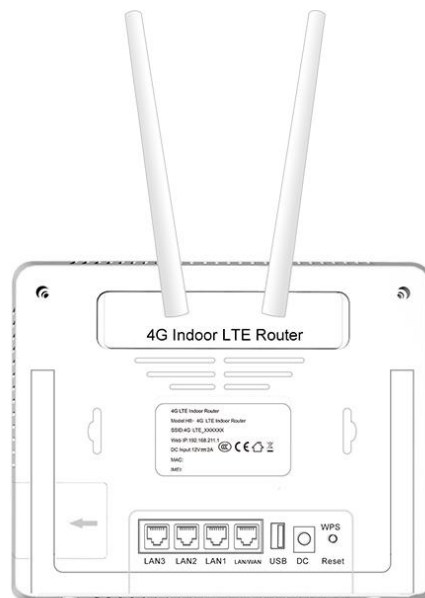
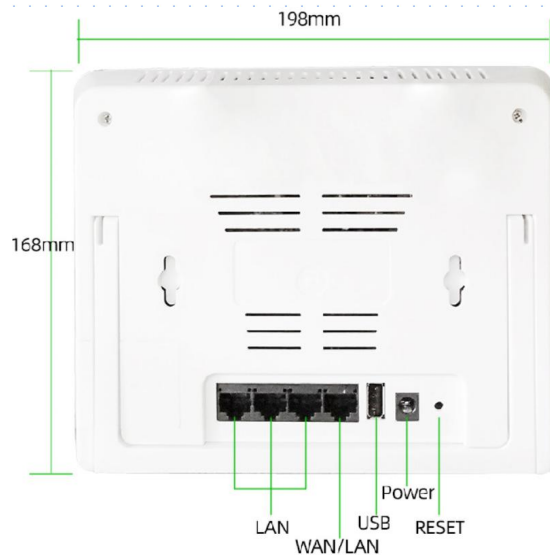


XM239

Industrial Cat6 Router



Hardware configuration

| | |
|-------------------|--|
| Product name | XM239 11AC Industrial 4G CPE Wifi Router |
| SA Time | Oct.2018 |
| Type | 11AC Router |
| Size(mm) | 200*170*35Cmm |
| Weight(g) | 520G |
| Main chip | MTK7628A +MT7612E |
| Main frequency | TDD-LTE: B38/40/41 FDD-LTE: B1/3/5/7/8/20 WCDMA:B1/B5/B8 (customizable) |
| Data service 2×CA | B1+B1/B5/B8/ B3+B3/B5/B7/ B8/B20; B7+B5/B7/B8/ B38+B38; B40+B40; B41+B41 |
| Mobile data speed | LTE-FDD (CAT6) : Max 300Mbps (DL)/Max 50Mbps (UL) LTE-TDD (CAT6) : Max 226Mbps (DL)/Max 28Mbps (UL) UMTS: DC-HSDPA: Max 42Mbps HSUPA: Max 5.76Mbps WCDMA: Max 384Kbps (DL)/Max 384Kbps (UL) |
| System memory | 128MB DDR2,16MB SPI |
| External memory | USB Stick up to 32GB |

Wifi

| | |
|------------------|---|
| WiFi Coverage | Wireless coverage to mobile phone up to 150 Meters |
| Frequency Band | 2.4GHz+5.8G(5.8G is optional) |
| 802.11a/b/g/n/ac | 5G MT7612 up to 866.7Mbps PHY Rate 2.4 G: 2T2R(300Mbps); 5.8G: 866.7Mbps PHY Rate |

| AP features | |
|------------------------------------|---|
| Security modes | Open WPA-PSK WPA2-PSK WPA-WPA2 Hybrid mode (Mixed Mode) |
| Concurrency (FC quality for LE1.0) | AP Independent security modes (Open,, WPA, WPA2, WAPI) for concurrency modes Channel of operation - same channel |
| Other | QoS and PS WMM WMM-PS/uAPSD ERP protection Coexistence LTE coexistence (static channel selection) Data Switching/Forwarding Switching of packets amongst clients Support for forwarding data to and from WAN DNS |

| Interface | |
|--------------------|--|
| Antenna | 4G/3G/2G Main antenna 4G MIMO/3G Rx Diversity antenna WiFi antenna(External) |
| USB | USB 3.0 |
| SIM/USIM Card slot | Standard 6 PIN SIM card interface, compliant with 3GPP 31.101 and 31.102 |
| Micro-SD Card slot | Yes |
| RJ45 Port | 1WAN; 3 LAN |
| Button | Power and Reset |

Electrical performance spec

| | |
|---------------------|---|
| RF Power Spec | Class 4 for UMTS/HSPA/LTE; Class 4 for GSM 850/900; Class 1 for GSM 1800/1900; Class E2 for EDGE 850/900/1800/1900 |
| Power supply input | Yes;12V, 1.5A |
| Power supply output | Yes |

Environmental reliability test condition

| | |
|----------------------|----------------|
| Normal Operation | -10°C to +55°C |
| Restricted Operation | -20°C to +55°C |
| Storage | -20°C to +70°C |

Compliance

| | |
|--------|-----------------------------|
| ROHS | YES, EU RoHS |
| JATE | YES |
| TELEC | YES |
| PSE | YES |
| Others | Depend on customer required |