

5G-XS51M100 sub 6G with WiFi 6 Gateway



5G-XS51M100 is a versatile and easy-to-use wireless router with sub 6G & WiFi 6 capability.

Up to 4.9Gbps downlink from sub 6G

Up to 1.15Gbps uplink.

Up to 1.6Gbps downlink from LTE

Up to 211Mbps uplink from LTE

Up to 2Gbps from 802.11ax/ac/b/g/n 2T2R

Up to 2.5Gbps from LAN.

KEY FEATURES

5G NR

- 5G SA and NSA (3GPP Release 15)

FR1 (Sub 6G):

FDD: n1, n2, n3, n5, n7, n8, n20, n25, n28, n30.

TDD: n38, n40, n41, n48, n66, n71, n77, n78, n79

LTE

- LTE Advanced-Pro (3GPP Release 15)

FDD-LTE Bands: 1, 2, 3, 4, 5, 7, 8, 12, 13, 14, 17, 18, 19, 20, 25, 26, 28, 29, 30, 32,

- TD-LTE Bands: 34, 38, 39, 40, 41, 42, 43, 46, 48, 66, 71.

- UMTS/HSPA+ (3GPP Release 8):

FDD Bands: 1, 2, 4, 5, 8.

Speed:

- 5G sub 6GHz: 200 MHz, 4x4 DL-MIMO, 2x2 UL-MIMO up to 4.9Gbps down link, 600Mbps uplink.
- 4G up to DL/UL max: 1.6 Gbps/211 Mbps
- HSPA+ Dual Carrier DL Cat. 24 / UL Cat. 6, DL/UL max: 42 Mbps / 11 Mbps

GNSS(optional):L1 (GPS, Glonass, Beidou, Galileo)

WiFi 6

Wi-Fi PHY rate of 573+1201 Mbps 2T2R supports 20/40MHz BW in 2.4G band, 20/40/80MHz BW in 5.8G band

- IEEE802.11ax 1201Mbps @TX/RX
- IEEE802.11ac 1733Mbps @TX/RX
- IEEE802.11a/n 600Mbps @TX/RX
- IEEE802.11a/g 108Mbps
- IEEE802.11b 22Mbps

5G SOM:

- MTK T750 SOM, 7nm
- Quad-core ARM 2.0 GHz Cortex-A55
- e.MMC 32Gbit (Max 128Gb)
- 2CH LPDDR4x 8Gbit (Max 16Gb)

INTERFACES

- 1 10/100/1000/2500Mbps LAN port, Auto MDI/MDIX
- 2 Nano SIM card interface (3V/1.8V) SIM1 & SIM2
- 1 Type-C for power & data
- Power supply 12V 3A ,5.5x2.1Ø
- External 2 fix antennas interface for WiFi 2T2R
- External 4 SMA antenna interface for 5G, LTE.
- 1 MicroSD card slot.

Embedded system

- Linux:. Router can be shared by 250 users.
- Supports OpenWRT, DD-WRT

Protocol: TCP, FTP, PPTP, HTTP,HTTPS, TFTP, DHCP, NAT, IPSec Pass through, ICMP, IGMP, RIPv2, RIP, OSPF, SNMP, RMON, QoS.

Optional: VPN client or gateway, IPSec client.

Others

- Size 15cm x 7.5cm x 4.5cm(metal housing)
- Weight 0.5 kg
- Normal operating conditions -30..+70°C

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