TELCO ELECTRONICS

X1 Pro 5G

5G Industrial Gigabit Modem Router

Telco X1 Pro 5G Industrial Modem Router
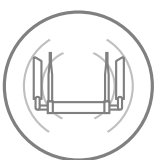# Next-gen 5G, Cloud Ready, Dual Band WiFi, Gigabit Ethernet, DIN Rail Mountable

Performance and Possibilities
Dual band Wave 2 Wi-Fi, 4x gigabit LAN ports 1x gigabit WAN port and a quad core processor provide the horsepower, but you can also connect any sensor, serial device, modem, or USB drive to the included USB port to expand the capabilities of the X1 Pro for industrial applications.
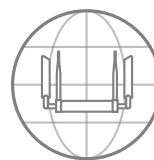
Cloud Ready
X1 Pro is compatible with Telco Cloud Management System enabling to remote access, monitoring and configuration your Telco devices. Gain deep insights with up to 1 year of stats, auto-provision your fleet of devices, and install/upgrade your custom TelcOS Melaleuca firmware all from the cloud.
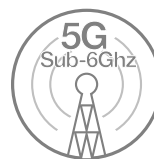
Signal Monitoring and Auto Setup
TelcOS Melaleuca conveniently detects the right settings to use to get you connected to the mobile network with minimal configuration. View detailed signal information to help you optimise the installation, or monitor and plot it over time with Telco Cloud. External antenna connectors for adaptability.

Global Mobile Network Support
High speed internet access wherever you may roam – X1 Pro features global frequency band support, operating on mobile networks anywhere in the world, making the X1 Pro ideal for marine and other travellers.

5G
The X1 Pro 5G is built with premium 5G technology making it capable of reaching 1Gbps download and 500Mbps upload – enabling higher speed and reliability than competing Cat6/Cat12 modem router. External MIMO antenna connectors make the X1 Pro 5G compatible with any antenna.

Future proof your installation
With 3G sunset in progress, modems that fallback to 3G are no longer a viable option. X1 Pro 5G connects to the new 5G network with reliable 4G fallback

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5G NR Modem

• Peak Download Rate (integrated): 1Gbps^
• Peak Upload Rate: 500Mbps+#
• 4x MIMO Antenna Compatible
• 4x Carrier Aggregation, 256QAM
• 5G NSA and SA modes supported
• Transmit Power (max)
  • 5G bands: 24 dBm +/- 2dB
  • LTE Bands: 23 dBm +/- 2dB
  • UMTS Bands: +24 dBm +/- 3dB
• 1x Nano-SIM slot with tray
• 5G with 4G fallback

Software

TelcOS™ Melaleuca

• **Band Locking**
• DDNS
• Configuration Backup/Restore
• **Telco Cloud Management System**
• DHCP Server with advanced features
  • DHCP Options
  • Relay
• Routing
  • Static Routes
• Wireless Channel Analysis (sniffer/promiscuous mode)
• Programmable Reboots/Restart of Network Interfaces
  • Periodic Reboot
  • Ping Reboot
  • Restart Interface
• Mobile Data Status Page
• Realtime Graphs

Electrical

• IEEE 802.11/b/g/n/ac
• Antenna connectors
  • 2x Mobile data: SMA Female antenna connector
  • 2x Wifi: RP-SMA Female antenna connector
• 5GHz Wifi
  • Up to 900Mbps
  • 40MHz/80MHz channel widths
  • Up to 1000mW transmit power
• 2.4GHz WiFi
  • Up to 300Mbps capacity
  • Up 100m radius outdoor coverage area 30m indoor
  • Recommended for up to 100 clients
  • 20MHz/40MHz channel widths
• Five ports - 4 x LAN - 1 x WAN
  • WAN Port
    • Can be changed to extra LAN
  • LAN Ports
    • Can share 5G with a multi-port switch or computers
• Power consumption:
  • 4.2W Idle
  • 7W Peak under load
    • Ask us about a compatible solar kit
    • Multiple power cable options available
• USB Port
  • Use for
    • Industrial serial I/O (microcontroller)
      • leverage full programmability of the Telco X1 Pro to suit your application
    • USB modem (backup or load balancing connection)
    • Power/charging of USB devices

Contact Telco Antennas Sales today on (07) 3393 9919.

www.telcoantennas.com.au/x1-pro-5g

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