We set out to achieve a new standard of performance with the Telco X1 Pro – Bridge Mode, Band Locking, Cloud Ready, Dual Band WiFi, Gigabit Ethernet, DIN Rail Mountable
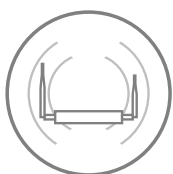
Performance and Possibilities
Dual band Wave 2 Wi-Fi, 4x gigabit LAN ports 1x gigabit WAN port and a quad core processor provide the horsepower, but you can also connect any sensor, serial device, modem, or USB drive to the included USB port to expand the capabilities of the X1 Pro for industrial applications.
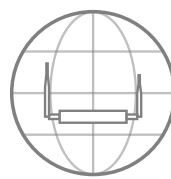
Cloud Ready
X1 Pro is compatible with Telco Cloud Management System enabling to remote access, monitoring and configuration your Telco devices. Gain deep insights with up to 1 year of stats, auto-provision your fleet of devices, and install/upgrade your custom TelcOS Melaleuca firmware all from the cloud.

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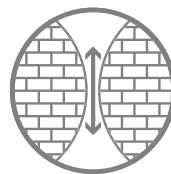
Global Mobile Network Support
High speed internet access wherever you may roam – X1 Pro features global frequency band support, operating on mobile networks anywhere in the world, making the X1 Pro ideal for marine and other travellers.

Cat12 LTE-A Pro Modem
The X1 Pro is built with premium LTE Advanced Pro technology making it capable of reaching 600Mbps download and 150Mbps upload – enabling higher speed and reliability than competing Cat4/Cat6 modem router. External MIMO antenna connectors make the X1 Pro compatible with any antenna.

Bridge Mode
Integrate seamlessly with industrial firewalls, routers, camera systems and more – put the X1 Pro into Bridge Mode to pass the Mobile Network IP address through to an any attached device.

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

Bridge Mode
  - AKA: IP Passthrough mode
- VPN Protocols
  - WireGuard™ - Server and Client (peer)
  - OpenVPN™ - Server and Client
  - SoftEther™ VPN - Client
  - OpenConnect (Cisco AnyConnect™ compatible) - Client
  - OpenFortiVPN (Fortinet™ VPN compatible) - Client
- Firewall
  - Port Forwarding
  - Traffic Rules
  - Custom Rules
  - NAT Rules
  - Zones
- DHCP
- Programming Languages
  - Lua (backend/frontend)
  - Shell script (ash) (backend/frontend)
  - Python (available on request via custom firmware) (backend/frontend)
  - JavaScript (frontend)
  - HTML (frontend)
  - C/C++ (ARM Linux target) (backend)

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 4G 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

Cat12 LTE Advanced Pro modem
- Peak Download Rate: 600Mbps
- Peak Upload Rate: 150Mbps
- MIMO Antenna Compatible
- 3x Carrier Aggregation, 256QAM
  - Maximum aggregated bandwidth: up to 60MHz (20MHz + 20MHz + 20MHz)
- Transmit Power (max)
  - LTE Bands: 23 dBm +/- 2dB
  - UMTS Bands: +24 dBm +/- 3dB
  - 1x Nano-SIM slot with tray

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

www.telcoantennas.com.au/x1-pro