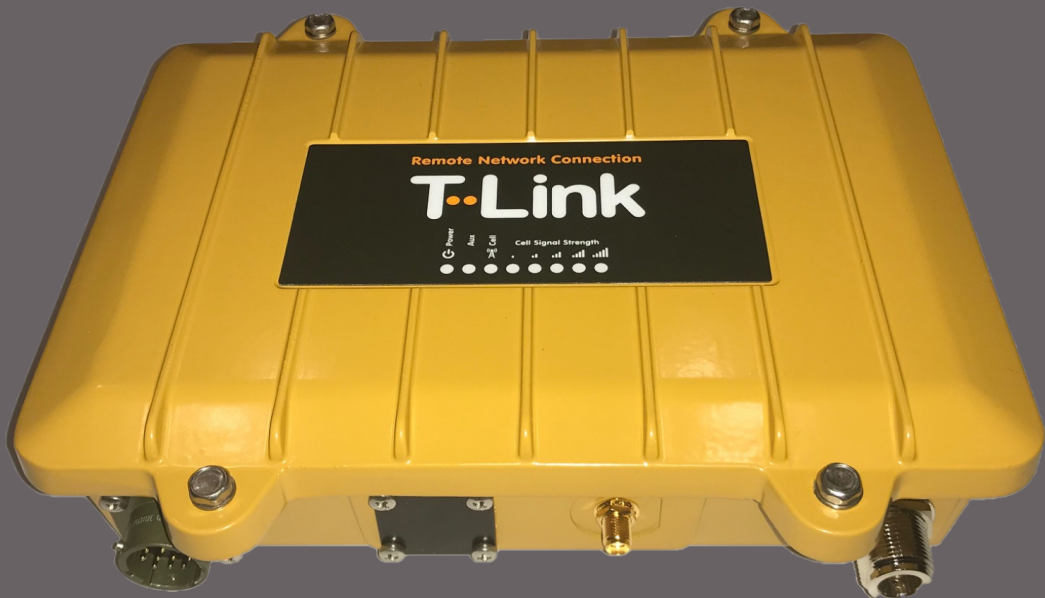


T-Link 4GX Cellular Router

288-0004





T·Link is Nestlawn's 4GX machine communication device. Machines are automatically connected to a central computer via 3.5G, 4G or 4GX. All machines can receive GPS corrections from a VRS network such as AllDayRTK.

Designs and updates can be rapidly downloaded. The locations and status of all machines can be quickly ascertained.

Operation of T·Link is entirely automatic. The device can be set to power up whenever the earth moving equipment is started.

Connection to a pre set computer is automatic. T·Link is preconfigured to integrate into GPS enabled RTK machine control system and integrate into networks such as Tokara®.



Designed for continuous reliable operation in the harsh environments typically found on hard working mining and earthmoving machines.

Application

- Remote connectivity to earthmoving equipment
- Transmission of GPS corrections
- Monitoring equipment
- Collection and analysis of data
- Connection to proprietary networks
- Server controlled modem application update support



288-0004 T-Link Technical Specifications

Frequency Bands

LTE FDD (4G) Bands:

- Band 1 (2100 MHz) Telstra 4G
- Band 2 (1900 MHz)
- Band 3 (1800 MHz) Telstra 4G
- Band 4 (1700 MHz)
- Band 5 (850 MHz)
- Band 7 (2600 MHz) Telstra 4G
- Band 8 (900 MHz) Telstra 4G
- Band 28 (700 MHz) Telstra 4GX

LTE TDD Bands:

- Band 40 (2300 MHz)

WCDMA (3G) Bands:

- Band 1 (2100 MHz) Telstra 3G
- Band 2 (1900 MHz)
- Band 5 (850 MHz) Telstra 3G
- Band 5 (850 MHz) Telstra 3G

GSM (2G) Bands:

- Band 2 (1900 MHz)
- Band 3 (1800 MHz)
- Band 5 (850 MHz)
- Band 8 (900 MHz)

Dimensions

- 143 mm (L) x 107 mm (W) x 34 mm (D)
- Weight: 221 g

Enclosure

- IP67 rated

Power

- DC Power (8 - 40V DC)
- Consumption 6W

Antenna Connectors

- 1 x Ntype Male (3G,4G,4GX)
- 1 x SMA connector for GPS

Interfaces Connection

- MS3112E12-10P (POE, RS232)

LED Indicators

- 8 x tri-colour LEDs - Power, Network, a GPS/customizable LED and 5x Signal Strength indicators
- Easy and clear LED status display for connection status, connected network type, and connection error

GPS Indicators

- GPS
- Glonass
- BeiDou
- Galileo
- QZSS

Processor and Storage

- 1 GHz ARM Cortex A8 processor with 256 MB RAM and 512 MB flash memory storage

Network and Routing

- Static Routing, RIP (v1/v2), Port Forwarding and DMZ
- DHCP Server including address reservation by MAC address
- Custom DNS server definitions

Administration and Configuration

- Secure web-based user interface (HTTPS) for full device status and configuration
- Password protected configuration file backup and restore for quick device configuration and device cloning
- SSH Command Line Interface for status monitoring, configuration and control
- Ping monitor watchdog (Reset connection on repeated ping failure)
- Diagnostic Log Viewer (remote and local)
- System Status and Security Logs
- NTP Server Support for network time sync of device's system clock
- Advanced Diagnostics and Control via SMS®
- Supplied with full Tokara® software for connection to Tokara® network