Nestlawn
enabling intelligent solutions

T··Link 4GX
Cellular Router
288-0004

Remote Network Connection
T··Link

Power   Aux   Cell   Cell Signal Strength
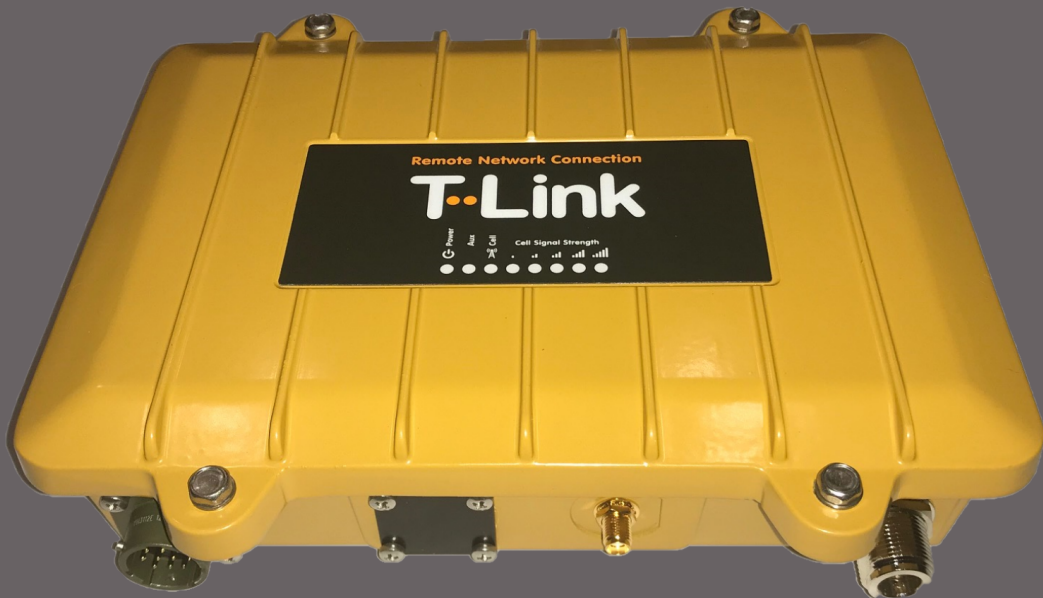
T··Link is Nestlawn's 4GX machine communication device. Machines are automatically connected to a central computer via 3.5G, 4G or 4GX. All machines can receive GPS corrections from a CORS network.

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

A key feature of the T··Link is an RS232 port allowing expansion options.

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 can be configured to integrate into a range of OEM remote support systems.

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

Applications:

- 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

- Inbuilt NTRIP to serial converter

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, Digital IO)

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
- Supplied with full VPM software for connection to support networks
- GPS Poller 1
- GPS Location, Sim ID Signal Strength
- GPS Poller 2
- GPS firmware serial number board version PC MAC address
- Remote upgrade via central server
- Preconfigured with test certificate
- Dual VPN support
- MCX1 Detector
- Onboard NTRIP server
- Onboard NTRIP client