Multipath iP
Intelligent Alarm Transmission Systems

T4000 Security Communicator

The Multipath-IP T4000 security communicator is a highly advanced and cost effective field device used to connect any Contact-ID dialer equipped alarm panel to a central monitoring station via multiple highly secure IP paths.

The T4000 signifies the next evolution in the Multipath-IP solution. Built from the ground up, the T4000 supersedes previous models and delivers unprecedented features never before seen within the security industry. Whilst the T4000 is incredibly sophisticated, its core strength focuses on ease of installation, ease of operation and low-cost security monitoring. The T4000 can even leverage Inner Range's SkyTunnel cloud based infrastructure for seamless IP connectivity and super-fast alarm reporting.

It features Dual 3G and Ethernet alarm transmission paths allowing simple connection of many brands of alarm panels. The T4000 is capable of providing a communications path for upload/download programming of many popular alarm systems on the market when a PSTN line is not available at the installation site.

The T4000's small footprint allows it to easily retrofit into existing alarm system cabinets or be housed in its own security cabinet with a backup battery.
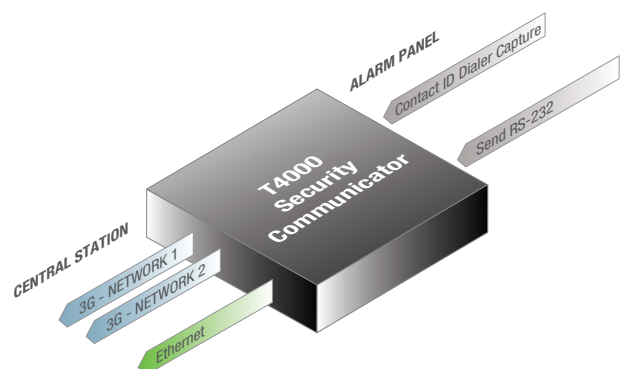
Features

- Simple Plug and Play installation
- Ultra-fast 3G dual SIM polled communications paths
- 10/100 Mbps Ethernet port for high-speed polling
- Configurable bi-directional polling from 10 seconds to 5 minutes to meet the requirements of Australian Standard AS2201.5
- Secure 128Bit AES encrypted data transmission
- Over-the-air upload/download to compatible alarm systems using modem dial up and serial pass-through methods
- Dialler Capture port to receive communications from any alarm panel equipped with a dialer and programmed to report Contact-ID
- High level integration with Inner Range Integriti & Concept systems
- Remote firmware update capability
- General purpose security inputs
- Relay output for control of external devices
- Remotely arm/disarm connected alarm system
- App that allows the end user to control their alarm system i.e. arm/disarm, auxiliary control and automation * Available on Google Play and web: https://skycommand.innerrange.com
- Alarm reporting using Contact-ID and IRFast with text formats
- Compact and versatile form factor
- Easy to read functional LED status display
- 12-24VDC supply voltage
- Battery backup capability (battery sold separately)

Package Contents

- T4000 Security Communicator
- 3.5Dbi magnetic antenna - 2m cable
- Dual network SIM cards (Pre-Installed)
- 4x mounting screw and standoff hardware (for Inner Range metal enclosures)
- Velcro adhesive tape
- Screw terminal connectors
- Dialer capture lead
- Installation instruction manual

Connectivity

inner range

Specifications

Physical

Size:	101(L) x 98(W) x 35(D) (mm)
Weight:	190g
Mounting:	4 x M4 screws to chassis
Installation Environment:	0ºC - 50ºC @15% - 90% relative humidity (non-condensing)
Working Temperature Range:	-25ºC to +50ºC ambient unforced ventilation

Connections

Outputs:	1 Relay Output
Relay Contact Rating:	2Amp 30VDC
Inputs:	1 configurable (EOL or No-EOL)
Ethernet:	10/100 Mbps
PSTN (Phone):	RJ12
PABX (Panel):	RJ12 Contact-ID Dialer Capture
Serial:	RS-232, TTL

LED Indicators

Status Indicators:	Power/Battery
	Panel
	GSM Registration
	Host (Server Online)
	Alarms Buffered
	GSM Modem
	SIM1/2
	Ethernet Status (Link/Act)

Alarm Communications

Alarm Formats:	Contact ID, IRFast, IRFast + Text
Encryption:	128 bit AES

Upload / Download Data Pass-Through via IP (3G/Ethernet)

Panel Connection:	Dial up Modem, Serial RS232
Modem Modulation:	Bell 103, V21, V22

PSTN / PABX

PSTN Isolation Voltage:	1500v RMS
Max PABX line Voltage:	65V RMS
Max PABX Current:	30mA
PABX Output Level:	-10dBm
Max RF Power:	2 watts

Power Specifications

Input:	12-24VDC, 200mA nominal (18VDC 1 Amp recommended for Battery backup)
Fuse:	PTC protection + on board fuse (non replaceable)
Charger Output Voltage:	13.75VDC
Charger Supply Current @ 18 volts:	90mA (Idle) + 30mA (GSM Online)
Max Output Current:	500mA average
Typical Battery Backup Time:	72 hours (T4000 only)
Minimum Battery Backup Time:	48 hours (T4000 only)
Minimum Operating Voltage:	8 volts
Low Battery Sense Voltage (Typical):	11 volts

Battery Types

Recommended Battery:	12 Volt SLA (gel) type, 7 Amp-Hour

Compliance

Electrical:	✓
Environmental:	RoHS

Ordering Options

T4000

998530 - Australia
Network - Telstra/Optus

998530NZ - New Zealand
Network - Vodafone NZ
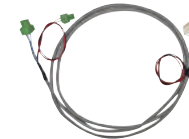   /Telecom NZ

Accessories

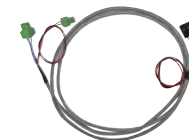**999065**
18VDC 1Amp plug pack
power supply includes
battery cables

995200XS
Extra Small Metal
Enclosure

996795
Integriti/Concept Port Zero
Interface Cable

996796
Integriti/Concept UART
Interface cable

994093
6.5dBi Hi-Gain Antenna,
5m lead

994094
4.5dBi Hi-Gain
Antenna, 10m lead

994097
Hi-Gain Directional
Yagi antenna 6 Element
9dBi, 10m lead

Multipath-IP