

Burnside T900 Series Fixed Cellular Terminals

- Tri band GSM— phone, SMS & Internet.
- Lower install & call costs than landlines
- Inclusive call minute timer & auto cut off
- Simple mobile phone menu—easier to install and use than other FCTs
- Shareable & permanent resource that anyone can use
- Less vulnerable to damage or theft
- External antenna—works in areas where handhelds don't work
- Reduced radiation risk
- Works with many types of phone, PBX or PC
- Remote monitoring & control of attached equipment
- Landline version—automatic fallback from PSTN to GSM
- Designed and made in the UK
- NATO Coded
- Designed and made in the UK



Description

The T900 series of fixed cellular terminals [FCTs] provide instant access to voice & data communications in any location within the worldwide GSM cellular wireless network without the delay and expense associated with connection to landline networks. A wide variety of phones, PBXs and PCs can be connected. New sharing and inclusive call minute tariffs offer lower call costs than landline tariffs. Echo cancellation and noise reduction technology offer landline speech quality. The plain language menu on the display on the T900 series makes it easier to install and operate than other makes of fixed cellular terminal. A variety of firmware options offer functionality and lower call costs not available on other products.

Unlike handheld mobile phones the T900 provides an easier to use, shareable and permanent resource that is less vulnerable to damage or theft. External antenna connection keeps the T900 working in locations where handhelds fail to work and reduce any possible radiation risk to the user.

Available Versions

T900

The entry level T900 is the choice for those who require an easy to use terminal that provides connectivity over the mobile network.

T910

Unlike the T900, the T910 also offers connection to PSTN landline networks. Its included least cost routing feature can reduce call costs by automatically routing calls to mobiles via the cellular network and all other calls via the landline connection.

T910—Follow Me Firmware

The optional Follow Me firmware package eliminates expensive call divert services on landline networks by forwarding incoming landline calls directly onto the mobile network. See leaflet Burnside Follow Me 362055 for more details.

T910—Automatic Fall Back from PSTN to GSM

The optional enables a connection to the landline PSTN to automatically switch over to the GSM network if the landline fails for any reason.

All Versions—Inclusive Call Minute Timer

Available on all versions this firmware can keep track of number of minutes used on an inclusive call minute tariff. When the limit is reached it can send an SMS to the user and switch itself off to avoid incurring expensive minutes.




About Burnside

Burnside Telecom is a designer and manufacturer of innovative fixed cellular terminals, desktop and wall mounted mobile phones and modems for voice, SMS text, Internet and e-mail access. Its products are now in use in 19 countries throughout the world. Customers include mobile network operators, government departments, local authorities, police and multi-national companies.

T900 FCT Series Specification

Parameter	Specification
GSM Bands	Tri band 900/1800/1900 MHz
Data	USB 2; GPRS class 10@ max 86kbps PBCCH support CSD up to 14.4 kbps USSD support
SMS	Point to point MO and MT; SMS cell broadcast; Text & PDU mode
Fax via Data	Group 3, class 2 and class 1
Speech	
User Interface	1. Phone Book; 2 SMS; 3. Call Register; 4. Divert & Forward; 5. Settings; 6. Special Functions; 8. Help; 9. Outgoing Call Routing (T940L only).
Firmware Options	Inclusive call minute timer; DTMF over Cellular Text Modem Channel; Follow Me T940L only; Least Cost Routing Table T940L only
Phone/PBX—FXS	RJ11 socket; POTS; Battery Current: DC loop current 25mA off hook; Dial Tone; Ring Voltage: 125Hz trapezoidal (40V RMS); ringing load 3 REN; CLIP UK SIN227, DTMF, ETSI or Bellcore; Call Control: Line Reversal; Loop Disconnect; Progress Tones
PSTN—FXO T910 Only	RJ11 Socket; On/Off hook indication; loop closure. Auto fallback from PSTN to GSM option.
Antenna	Omnidirectional Quad band Mag Base 2m FME Female.
Telemetry I/O	3.5mm dual channel socket; Channel 1 logic level input or output; Channel 2 input only, logic level or trigger programmable 0-5VDC; remote monitoring and control of terminal and attached devices by SMS
AC Adapter	5.5mm ext x 2.5mm int x 10mm long socket; 8-32VDC; UK, EU, US & AU Adapters
Battery Option	NiMH Cells; typical 24/4 standby/talk time hours
SIM Access	Retracting carrier for 3V mini SIM card
Casing Material	Anodised aluminium and ABS end caps
Size/Weight	148mm x 210mm x 43mm; 550gm excluding accessories
Temperature/ Humidity Range	Normal mains operation: -20C to +70C Internal backup battery powered: 0C to +40C Auto switch off: <-40C and >+70C In storage: -40C to +85C Humidity 0-95% non-condensing
Approvals	R&TTE, FCC, UL, IC, GCF, PTCRB, CE Local approvals & network operator certifications RoHS compliant WEEE Registered AC0075UR/PRO NATO NSN 5805999915126
Origin	Designed and made in the UK

T900 FCT Series Hardware Accessories

Item	Description	Image
268005	Quadband Marine Antenna. VSWR: <1.5:1 Height: 0.15m RG58 FME-F	
268002	890-960Mhz YAGI 10m RG58 FME-F	
268003	1710-1880 Mhz YAGI 10m RG58 FME-F	
222003	Wall mount bracket	
778005	Internal Uninterruptible Power Supply	
778001	UK AC Adapter	
778002	EU AC Adapter	

T900 FCT Series Firmware Options

Item	Model	Description
763004	All	Inclusive Call Minute Timer
763001	T910	Follow Me
763007	T910	Least Cost Routing Table
763010	T910	Auto fallback from PSTN to GSM

T900 FCT Series Models/Region Kit Order Code

Model	PSTN	Region			
		UK	EU	US	AU
T900	✗	722003	722005		
T910	✓	722004	722006		

T900 FCT UK Pack Contents Item 722003

Item	Description
328002	T900 Triband GRPS Fixed Cellular Terminal
778001	AC Adapter UK
268001	Omnidirectional Mag Base Antenna 2m cable FME-F
225004	BT Modular Plug to RJ11 Socket Adapter
362059	T900 User Guide

Related Documents

Item	Description
362078	T910 FCT Quick Start Guide
362055	Follow Me Leaflet

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