

## product datasheet

burnside terminal family  
product series

**Fixed Cellular Terminals**  
**T900**



product introduction

Our latest terminals afford instant access to cellular voice and data communications using ordinary landline phones. Why do this? To avoid the delay and expense associated with connection to landline networks. Simply insert an ordinary mobile phone SIM card, connect your phone or system (PBX) and start using the terminal.

With its robust construction and remote antennas, the Burnside terminals are designed to operate in a wide range of installation environments. An optional internal battery (UPS) provides uninterrupted service for up to 72 hours standby or 2 hours talk-time, in the event of a mains power failure.

The terminals' configurable features make them suitable for a range of applications. The units include a USB data interface to support Internet access, e-mail and PC fax.

product use

Burnside's T900 series terminals can simply be set-up from a connected landline phone. After set-up, configuration can be controlled from the landline phone keypad or by an SMS control message.

Once a terminal is set-up, just connect the phone, or phone system (PBX), and use your landline phone directly over the mobile network. All the terminals have a clear transfective display that makes them easy to configure and provides legible status and messaging. Status information includes a call timer and, with a pre-configured total call time limit (for example, depending on contract), so that the terminal can be set to automatically stop when the allocated minutes are exhausted.

Most popular is the T941, which adds a landline output to the entry-level T940. This means that basic least-cost routing can be set-up to automatically choose the landline or mobile network dependent on the phone number being called.

A package of options is available that provides the Burnside Follow Me, Automatic Cellular Fallback and Dial-through capabilities (see over for details).

The T942 and T943 offer the same capabilities as the T940 and T941, respectively, but with the integration of GSM-R (railway) specific communications bands.

All Burnside terminals are designed in the UK. That means that if you have needs that the current portfolio doesn't cover, dependent on your requirements, we can help. Just ask.

typical applications

Anyone needing to route landline calls to a mobile network

Telecare and domestic alarms

Taxi operators and mobile traders

Marine; use a landline phone and / or intruder alarm from a boat or yacht

Emergency phones in lifts

Exhibitions and events

Disaster recovery or anywhere requiring remote or temporary communications

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## common product capabilities

Here are some of the common terminal capabilities.

For details on installation, set-up and use, please refer to the Fixed Cellular Terminal User Guide.

Capability
Quad-band GSM for global cellular connectivity to voice, text and data services
GPRS (86kbps) for data connectivity
Dimensions: 148 x 210 x 43mm, 550g (unboxed). Boxed 1200g (1400g with UPS)
Normal temperature operation: 0°C to +40°C (storage -40°C to +70°C)
External antenna for improved reception
Two-line LCD status display for ease-of-use and set-up
CLI transmission to phone to identify the calling number
Configuration by DTMF (dial-tones) or by SMS
External alarm / trigger input (via 3.5mm jack-plug) that sends a text on alarm
Call minute timer and call minute limit detection
Simultaneous active call and configuration control for uninterrupted service
Terminal delivered with antenna, power-supply and quick-start user guide



**T940 / T941 / T942 / T943**

Each terminal comes with an ac power supply (choose UK or EU).

The phones are designed to work on public and private mobile networks.

Appropriate SIM cards should be sourced separately.

## capability comparison chart

Capability	T940	T941	T942	T943
Low-cost routing (automatic cellular ⇄ landline switching (includes landline output))		●		●
GSM-R band support for connectivity to dedicated railway networks			●	●
Burnside Follow Me <sup>1</sup> — call forwarding to a phone of your choice		○		○
Burnside Dial-through <sup>1</sup> — external mobile to landline connection		○		○
Burnside Automatic Fallback <sup>1</sup> — calls fallback to cellular in case of landline failure		○		○

● Standard  
○ Optional

1. Available as a single, combined feature package

## options

Options
Directional, frequency specific (YAGI) and omni-directional high-gain antennas
Mounting kits to secure terminal to a table or wall
Mains ac (UK or EU) power supplies
Uninterruptable Power Supply (UPS) battery to protect from mains failure
<i>Follow Me</i> — Eliminates expensive landline call diversion services by forwarding incoming landline calls directly onto the mobile network
<i>Dial-through</i> — Allows incoming mobile calls to set up a call over a landline
<i>Automatic Fallback</i> — If a landline connection is lost, the Fallback feature will automatically re-route the call over the mobile network, as belt-and-braces

E&OE. Specifications and options are subject to change without notice.

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