# Burnside Fixed Cellular Terminals
## Model T400LR

## Performance with flexibility

Our latest terminal provides GSM voice communications within coverage of a cellular wireless network. With both a landline and GSM connection, the T400LR provides a number of capabilities including landline backup and least cost routing.
With its excellent voice quality, affordability, compact size, the Burnside T400LR is designed to operate in a wide range of installation environments. Four supplied NiMH AA cells provide uninterruptible service for over 50 hours standby and up to 5 hours talk-time in the event of a mains power failure.

### T400LR Main Features

- High performance, high quality configurable fixed cellular terminal
- Dual band GSM for EU voice calls
- Automatic selection of GSM if landline fails
- Least cost routine for outgoing calls to mobiles
- Call progress announcements (CPA)
- CLI (Caller Display) information presented to a connected telephone
- Can be configured by dial codes or remotely by SMS
- Built-in battery backup using high quality Panasonic NiMH AA cells
- Long life battery technology .
- Easy and quick to install
- Energy efficient design for low running cost
- Relay for pass-through from FXO to FXS after battery exhaustion
- SMS reporting of terminal status
- Programmable configuration for regional tone compatibility
- Designed for long service life and product safety
- SMA connector for connecting supplied high performance antenna

### Typical T400LR Applications

Anyone wanting to connect a standard telephone to the mobile phone network.
Telecare and domestic alarms
Mobile Network Operators
Remote communications
Facilities management
Exhibitions and events

*Burnside Telecom is a UK designer and manufacturer of innovative fixed cellular terminals, wall mounted mobile phones and help points. Our products are currently used in 19 countries across the globe by customers including multinational companies, mobile network operators, government departments, local authorities and security services.*


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# Model T400LR - Technical Data

BURNSIDE
landline alternatives

## T400LR Specifications

| Feature | Description |
|---|---|
| GSM Bands | Dual-band GSM phase 2/2+ 900/1800 MHz |
| Speech Communication | Codec for HR, FR, EFR and AMR<br>EFR & FR may be selected for Telecare applications |
| Configuration | May be programmed by dial codes and SMS commands:<br>Automatic one-number dial<br>Various call control options including call duration limit |
| In-call Features | Recall (flash hook) with keycodes supports call waiting, multi-party calls and explicit call transfer |
| Telephone Interface (FXS) | Connector: RJ11 or BT431A socket (depending on model)<br>Any type of corded or cordless touch tone DTMF phone<br>DC loop current 25mA (20mA or 30mA, selectable)<br>Ringing Signal 25Hz sinusoidal 43V RMS<br>Choice of call progress tone cadences<br>Ringing load 3 REN<br>CLI sent to phone with time and date: UK, ETSI and Bellcore |
| PSTN interface (FXO) | Relay bypass for power failure after battery exhaustion<br>Real time on hook voltage measurement<br>Off-hook voltage and current measurement<br>Isolated to 3kV |
| Indicators | 3 x LEDs:<br>Battery Charging, Battery Low, Searching, PIN,<br>Weak Signal, Incoming Call, Call in Progress, Fault |
| External antenna port | Connector: 50 ohm SMA male |
| Antenna (supplied) | High performance compact hinged type |
| Power | 12VDC via 2.1mm barrel connector<br>Standby: 0.1W, In call: 1.9W average<br>Supplied AC adaptor 100 - 240VAC 50-60Hz |
| Battery Backup | Four NiMH rechargeable AA cells<br>Over 50 hours standby or up to 5 hours talk-time |
| Case | Wall mountable, ABS UL V0<br>Dimensions: 141 x 91 x 40mm,<br>Boxed: 173 x 104 x 100mm |
| Weight | Unit standalone : 325g / Boxed: 615g |
| Temperature Range | Normal Operation: -20°C to +40°C<br>Charging: 0°C to +40°C, Storage: -40°C to +55°C |
| Approvals | CE, local approvals, RoHS, Reach & WEEE |

NOTE: Detailed User Guides can be downloaded from the Burnside Web site.

Rear of EU version

Base shows T00FX, T400LR is the same

## Standard T400LR Kit Versions

| Part No. | Description and kit contents |
|---|---|
| **722179** | T400LR UK Terminal pack<br>Containing:<br>1 x 328034 FCT<br>1 x 268029 Antenna<br>4 x Panasonic NiMH AA cells<br>1 x 778017 UK AC Adapter<br>1 x 225032 PSTN cable<br>1 x Quick start guide |
| **722180** | T400LR EU Terminal pack<br>Containing:<br>1 x 328035 FCT<br>1 x 268029 Antenna<br>4 x Panasonic NiMH AA cells<br>1 x 778018 EU AC Adapter<br>1 x 225034 PSTN cable<br>1 x Quick start guide |

Supplied by:



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