

Desktop Mobile

- Phone and internet connection almost anywhere
- Cuts cost of calls from landline phones to mobiles
- High speed GPRS data
- Remote monitoring and control





Key features

- Provides a telephone connection almost anywhere
- Excellent voice quality
- No waiting for a difficult or expensive land line connection
- Cuts cost of calls to mobiles from landline phones by as much as 70%
- Text messaging using any ordinary touch tone phone
- Display provides intuitive mobile phone like menus for major functions
- Works with ordinary touch tone phone and PBXs
- Integral modem and GPRS connects to PC or PDA
- Facility to send a text to your handheld mobile if an alarm is activated
- Remote supervision and control by SMS text
- Ideal for use in remote locations, boats and vehicles
- Works from your car battery or mains power
- Works better than mobiles in weak reception areas
- Less vulnerable to damage or theft

Applications

Landline locations

- Anyone who makes many calls from landlines to mobile phones
- Teleworkers
- Recruitment Firms
- Builders
- Service Companies
- Taxis
- Couriers
- Backup for Failed Landlines

Remote locations

- Construction, Mining and Oil Sites
- Exhibitions
- Boats
- Vehicles
- Sports Events
- Emergency Incident Locations
- Defence
- Outside Broadcasting

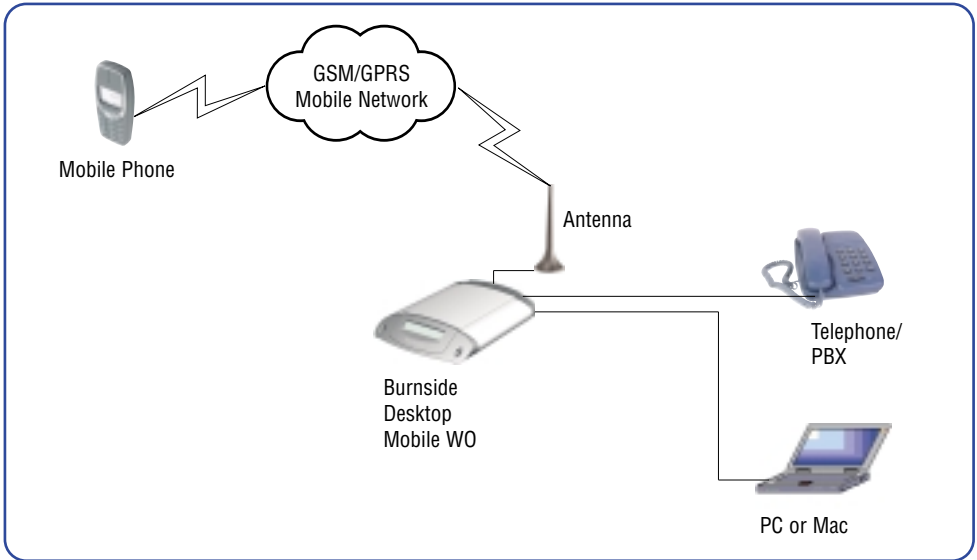
Security

- Asset protection and location
- Alarms and sensors
- Telemetry

What is a Desktop Mobile?

A Desktop Mobile is a fixed cellular terminal that lets your own office or home phone access the mobile network to make calls and to send and receive text messages. You can connect it to your computer to browse the Internet, send emails and PC faxes. When connected to your alarm system it will send you a text messages as soon as the alarm is activated. You can also send it a text message to operate attached equipment.

Unlike a handheld mobile phone the Desktop Mobile provides a fixed, permanent and accessible resource that can be shared between any work or family group at any location.



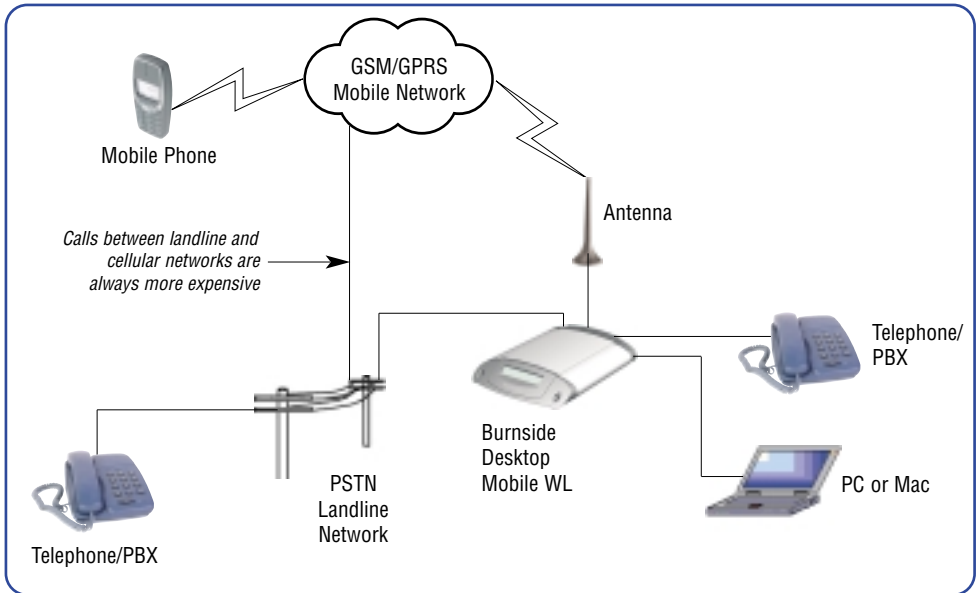
So why do I need a Desktop Mobile?

Even though you own a handheld mobile phone you probably prefer using your landline phone when you are in the office or at home. The problem is that when you make phone calls from a landline to mobiles you are paying more because the call is going across two networks. By connecting the Desktop Mobile to an office or home phone system, you can cut the cost of those calls by as much as 70%.

The Wireless Landline (WL) version automatically routes your outgoing call either by the Mobile or Landline network which ever is the Least Cost Route (LCR).

The Desktop Mobile also provides an immediate backup for your telecommunications if for any reason your landline fails.

If, like 80% of the world's population you don't have access to landlines or are in locations where landlines are not feasible, then the Desktop Mobile provides you with a complete communications terminal within any appropriate mobile network.



Why should I choose the Burnside Desktop Mobile?

The Burnside Desktop Mobile is one of the easiest cellular terminals to set up and use. It has the highest audio quality and excellent data/GPRS performance. In addition the Burnside can monitor and control equipment in remote locations.

How do I install and use the Desktop Mobile?

It's so simple. Insert exactly the same kind of SIM you use in your handheld mobile. Connect the dual band antenna supplied. Connect any kind of touch tone phone. Then finally connect to the mains power supply using the supplied adaptor or connect to a DC supply such as available in a car or boat.

The Desktop Mobile is then ready for use. Just lift the phone's handset and dial to make a call. Use the keypad on the phone with the Desktop Mobile display to access all of the available features.

How do I connect my computer and how fast will it work?

You connect with the cable provided and install the Desktop Mobile as a modem on your computer. Using the GPRS network, the Desktop Mobile will work up to a maximum speed of 85 Kbps. Whilst maintaining a GPRS connection, SMS and phone calls can still be made.

Will the Desktop Mobile give me a better signal than my handheld mobile phone?

You'll find that the Desktop Mobile will give you a much better signal than a handheld mobile because the antenna works much more efficiently. You will also find that it can be used in weak reception areas where a handheld mobile phone will not work.

Testimonials

South American Mobile Network Operator

"They look very good! Congratulations! We made a voice call, and the quality is very good."



Mobile News Awards

"Highly Commended" in the category Technological Advance

Customer in Spain

"I have now exchanged my xxxxxxxx at my local dealer for a Burnside Desktop Mobile. It is excellent. Installation was simple, and the manual is easy to follow. Telephone and GPRS internet connection are excellent. I am so pleased the signal strength rarely varies despite horrendous rain and fog in recent days."



Motor Boat and Yachting

"It's a very useful alternative to having your mobile sliding all over the place."

UK Mobile Network Operator

"The unit works without problems, and looks great!"

UK Mobile Network Service Provider

"A very interesting and stylish addition to the GSM/GPRS devices on the market today.

I see a lot of new devices in my role as mobile data consultant but this one has delivered in all of the promised features. The Burnside Desktop Mobile is very easy to configure and use and I will recommend its use in a variety of applications.

Easy to set-up - alternative devices promise a plug-and-play household phone to GSM solution but the Burnside Desktop Mobile actually works. No extra equipment was required - no cables or adapters had to be created - I was using a standard household phone as a GSM mobile (with full text messaging options) within minutes of opening the box.

The addition of a display unit allows the full use of text messaging, sending and receiving is easily done and very useful to keep costs to a minimum.

The display allows you to keep track of calls - all calls are logged and can be viewed through the display rather than trying to decipher LEDs as with other units.

When roaming from country to country the display unit would be extremely useful to ensure that you are logged onto the correct network as roaming costs can differ greatly depending upon the network being used.

When connected to a PBX, the display would prove vital in ensuring the correct network/configuration is being used by the device."

Danish Marine Electronics Supplier

"The design of the unit is great!"

Technical Specification

Common Features

Dual Band Version

- Dual band EGSM900 and GSM 1800
- GPRS multi-slot class 8

Tri-band versions

- Tri-band EGSM900 or EGSM850 and GSM 1800/1900
- GPRS multi-slot class 10

All Versions:

- Compliant to GSM phase 2/2+
- Class 4 (2W) at EGSM900/850
- Class 1 (1W) at GSM1800/1900

Phone/PBX Interface

- RJ11 socket. Adapter included for BT Modular plugs where applicable
- DC loop current 25mA
- Ringing signal 25Hz trapezoidal (40V RMS)
- Ringing load 3 REN
- CLIP UK SIN227, DTMF, ETSI or Bellcore

Call Control

- Line Reversal
- Loop Disconnect
- Progress tones

User Interface

- Phone Book
- Text messages
- Call Register
- Call Divert
- Settings
- Help

SMS

- Point to point MO and MT
- SMS cell broadcast
- Text and PDU mode
- Remote diagnosis

Other Features

- Multiparty
- Call waiting
- Real time clock with battery backup

Display

- Mobile phone like menu
- Status/Setup Information
- SMS Write, Send and Receive
- 2 x 16 character white on blue LCD
- Transfective grey on green option
- Caller number/name

Data

- GPRS max downlink 85.6Kbps
- GPRS mobile station class B
- Full PBCCH support
- Coding Scheme CS 1,2,3,4
- MS class B
- PPP Stack
- CSD up to 14.4 kbps
- USSD
- Non transparent mode
- V110

Fax Via Data Interface

- Group 3: Class1, Class2

AT Command Protocols

- Standard V.25ter
- FAX
- Generic ETSI GSM 07.07
- SMS ETSI GSM 07.05

SIM Access

- Retracting carrier for 3V mini SIM

Antenna Connector

- FME Male

Input/Output Channels

- Channel 1
 - Logic level input or output
- Channel 2
 - Input only
 - Logic level or trigger, programmable between 0-5V
- Remote monitoring, status of terminal and control of attached devices using SMS

Power Requirements

- Voltage Range: 8-32V DC
- Connector - 5.5mm ext dia x 2.5mm int dia x 10mm long

Physical

- Size - 148mm x 210mm x 43mm
- Weight 550gm excluding accessories
- Operating temperature 5-40°C
- Humidity 0-95% non-condensing

Model WO (Wireless Only)

Computer Connectivity

- Standard EIA Serial RS232 DB9 Socket
- Bit rate: 300 to 115200, auto and manual
- Format: v8 data, 1 stop bit, no parity
- Hardware Handshake
- USB or Bluetooth via optional adaptor

Model WL (Wireless & Landline)

Landline/PSTN interface

- RJ11 socket
- CLI to ETSI, SIN227(UK),Bellcore

Least Cost Routing

- Automatic least cost routing
- Routing table updateable

Call Forwarding

- Forwarding from landline to GSM network

Computer Connectivity

- USB 2.0 compliant
- Com port driver for Win 98/2000/XP, Mac OS-9 and OS-X

* Some features listed are only accessible via the data interface.

Wireless Frequency options

D900 for dual band 900/1800.
T900 for tri-band 900/1800/1900
T850 for tri-band 850/1800/1900

Example model reference:

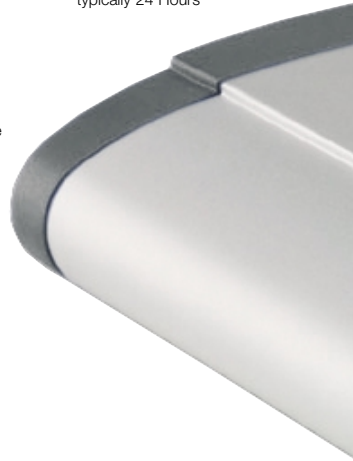
Desktop Mobile WO-D900

Supplied Accessories

- Omnidirectional antenna: Dual Band 2m lead magnetic base FME female plug
- AC adaptor (regional specific) UK, EU, AU and US versions, Weight: 290g
- Cable Model WO: RS232, 9 way male to 9 way female. Model WL: USB A-B
- Phone plug adaptor (UK) RJ11 to BT Modular

Optional Accessories

- Directional antenna: YAGI single band
- Power cable cigar lighter type with integral fuse
- Uninterruptible Power Supply (UPS): Talk time typically: 4 Hours, Standby time typically 24 Hours



Part No. 362019

Designed and Made in the UK by:

Burnside Telecom Ltd

Burnside House

Isington

ALTON

GU34 4PP, UK

Tel: +44 (0)8 700 762 766

Email: info@burnsidetelecom.com

www.burnsidetelecom.com

Supplied by:

T.M.I. Limited

66 Kilmardinny Cr.

Bearsden

Glasgow, G61 3NW

Tel: 0141 043 0010

Web: www.tmilimited.co.uk