

## Telephony

# BT Versatility...the facts

### Technical specification

#### ISDN 2 lines

- Max 6 ISDN2e

#### ISDN 30 lines

- Max 15 Channels

#### Analogue lines

- Max 12 Loop calling lines

#### Extension capacity

- up to 40 Feature phones
- up to 40 standard 2-wire apparatus
- Max 8 V16 XP console – additional

#### Extension loop resistance

- 67 ohms (0.4 km) 4-wire Feature phones
- 336 ohms (2 km) Standard Telephone

#### Extension REN

- 2 (up to a system max. REN of 40)  
Maximum of 16 extensions ringing for a single call

#### Central bell

- Maybe connected to any extension on the system

#### Extension cabling

- Standard 4 wire twisted pair 0.5 mm<sup>2</sup>

#### Central control unit (CCU) 008

- *HxWxD*: 390mm x 295mm x 160mm

#### Maximum capacity system 15+40 CCU

- *HxWxD*: 390mm x 595mm x 160mm

Customers should allow for growth of system to maximum size when positioning CCU on the wall.

#### Battery back up (where fitted)

- 12 V/7.2 AH

#### Mains supply voltage

- 230V ± 10% @ 50 Hz

#### Maximum power consumption

- 350VA

#### Standard 2-wire telephone signalling

- DTMF with Timed Break recall

#### Serial port

- 8 bit, no parity, 1 stop bit speed programmable

#### Voicemail capacities

- 40 Individual user mailboxes
- 10 Phantom Voice Boxes
- 20 Group Boxes
- 1 system mailbox (answering machine)
- 2 *Port*: 2 hours messaging capacity
- 8 *Port*: 20 hours messaging capacity
- Maximum message length is default at 1 minute but is programmable up to 5 minutes

#### Music on hold

- Internal & External calls – music or tone

#### External music on hold

- External music devices connect via the MOH module to any extension port
- Input impedance 1.6K ohm, Nominal 200mV RMS
- Stereo 3.5mm jack plug

#### External paging port

- Output Level 25 – 32mA, Impedance 600 ohm

#### Extension current and voltage feed

- *Voice*: 36.5 volts 25mA constant current
- *Data*: 40 volts 10mA constant current
- *Ringin*g: ±40V 50Hz (trapezoid)

#### Programming

- Feature phone (default extension 20) or PC Wizard through serial port

#### Environmental requirements

- *Normal working temperature*: 0°C to 40°C
- *Working humidity (non-condensing)*: 5% to 95%

#### Safety and protection

- EN55022, EN55024, EN60950

#### Doorstrike relay contact

- *Max rating*: 24 Volts DC, 2 Amps

#### Door intercom size

- *HxWxD*: 203mm x 73mm x 38mm

#### Colour of system

- *Charcoal*: ref: Pantone 432C

#### Broadband Module

- Internal ADSL modem
- *LAN*: 4 x 10/100 Base-Tx ports
- 100 Base-T connection to an external modem if required
- ISDN dial-up supported
- *Protocols*: IP V4
- *Authentication*: PAP/CHAP
- *DHCP*: DHCP server supports up to 100 IP addresses
- *Routing*: Static routing
- *Firewall*: NAT, Packet filtering, PAT and Stateful Inspection Firewall, Intrusion Detection System (IDS) and Denial of Service protection (DOS)
- *Management*: Local management, installation Wizard

#### Integrated WLAN Access Point

- 802.11b & 802.11g standards
- 11Mb and 54Mb throughput rates
- Connectivity for up to 50 WLAN Clients
- WEP and WPA Security and Authentication
- SSID Broadcast enable/disable option
- Manual or Automatic Channel selection
- MAC address filtering to restrict access
- WLAN interface may be hosted in the LAN or DMZ Subnet

#### Hospitality

- Check in/Check out
- Call billing
- Programmable call charges
- Room status
- Guest/Administration extensions
- Message waiting
- Alarm calls



## Flexible maintenance contracts

Eight-to-five, or around the clock, all year. We have the service deal to match the way you do business – backed by service level agreement

### StandardCare

8am to 5pm, Monday to Friday, with a guaranteed next-day response time for faults reported before 5pm

### PromptCare

8am to 5pm, Monday to Saturday, with a guaranteed four-hour response time from the time a fault report is received

### TotalCare

24 hours a day, seven days a week, all year, with a guaranteed four-hour response time from the time a fault report is received

## Service and support

We invest in premium skills and back up our teams with intelligent systems, efficient processes and an extensive range of services to last a lifetime in business – from telephone advice lines and online support through to full business continuity for risk management and disaster recovery.

### Plus lifelong support for your solution

- Single point of contact through specialist technical centres (STC's)
- One of the largest field networks of any telecoms supplier: more than 1900 engineers nationwide, meaning backup usually within an hour's drive of any BT customer site\*
- Remote diagnostics and remote fault fixing, to enable minor technical problems to be resolved rapidly

- Consultancy, project management, development, networking and installation
- Telephone and web-based support helpdesks
- Managed services including remote adds and changes
- Business continuity services, including data backup, security audits, health checks and disaster recovery

\*Response times dependent on suitable maintenance contract

## Why BT?

### We have the capability to deliver and manage the whole solution

- BT is a principle supplier of business communications and is one of the market leaders in system sales and service provision
- We are a one-stop solutions shop – from telephony to data, infrastructure to mobility, be it a small office business system to a fully converged solution; packaged applications or managed services
- Our expertise covers everything you need:
  - from the cabling under your feet to the applications on your desk

– from consultancy, systems development, installation through to maintenance, technical support and account management

- We offer a complete and consistent service wrap, with a service portfolio spanning the life of your solution
- The public network – the infrastructure that runs to virtually every household and business in the land – is built, evolved and maintained by BT. Other companies may provide you with voice and data services. But they all depend on the integrity of a network built by BT. So who better to rely on?

- We can offer you a tangible local partnership for ownership and accountability, and a national partnership to ensure true scalability
- BT has teamed up with world-class suppliers to give you access to the widest range of quality products and services – from systems integration and logistics through to product development, technical support, customer service and sales & marketing support
- BT has been awarded the highest possible partnership status by Nortel, Cisco Systems, Microsoft and Avaya – proof that we meet and exceed the standards set by the world's top communications companies.

## Contact & Further Information

Visit [www.bt.com/cs/btversatility](http://www.bt.com/cs/btversatility)

### Still need to know more?

Talk to us about the BT Versatility specifications and how we can help you pull together all the building blocks for convergence.

- Call on Freephone 0800 389 4848 Quoting 46985
  - Talk to your BT Account Manager
  - Visit [www.bt.com/convergentsolutions](http://www.bt.com/convergentsolutions) for anything else in our portfolio
- Tell us if this datasheet was useful or how we can make things better [cs.marketing@bt.com](mailto:cs.marketing@bt.com)



### Offices worldwide

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