



# BT Versatility...the facts

## Type of system

Hybrid/PBX

## ISDN 2 line

Max 4 ISDN (2B+D) Basic Rate lines

## Analogue lines

Max 8 Loop calling Guarded clear analogue lines

## Terminals

Max 33 V standard terminal

Max 32 V 8 – 8 key Featurephone

Max 32 V 16 – 16 key Featurephone

Max 8 V 16 expansion console –  
additional 32 programmable keys

Or approved apparatus

## Extension capacity

33 (32 + External extension)

## Featurephone capacity

32

## Standard 2-wire apparatus capacity

33 (32 + external extension)

## Extension loop resistance

100 ohms (0.7 km) 4-wire Featurephones

200 ohms (1.4km) Standard Telephone

336 ohms (2 km) extension 52 only supplied on  
the Options Module

## System REN

40

## Extension REN

2 (see above for system max.)

## Central bell

Separate port. In the Options module

## Central Bell REN

2 (see above for system max.)

## Extension cabling

Standard 4 wire

Twisted pair 0.5 mm<sup>2</sup> cu

## Central control unit (CCU) 008

HxWxD: 390mm x 295mm x 160mm Weight: 3.5 kg

## Maximum capacity system 8+32 CCU

HxWxD: 390mm x 595mm x 160mm Weight: 6.1 kg

## Battery

12 V/7.2 AH

## Mains supply voltage

230 ± 10% V 50 Hz

## Maximum power consumption

120 watts

## Standard 2-wire telephone signalling

DTMF

## Standard 2-wire telephone recall signal

Timed break

## Serial Port

8 bit, no parity, 1 stop bit speed programmable 115k2

## Voice Mail Capacities

2 Port: 2 hours messaging capacity supporting

33 mailboxes, 10 Phantom Voice Boxes, 20 Group Boxes

4 Port: 4 hours messaging capacity supporting

33 mailboxes, 10 Phantom Voice Boxes, 20 Group Boxes

Maximum message length is default at 1 minutes but is  
programmable up to 3 minutes

## Music on hold

External calls only

External Music On Hold

## Tone on hold

200 ms on 200 ms off, 200 ms on 3.4 s off

## External Music on hold – options module is required

Stereo 3.5mm jack connector

Input impedance 10k ohm

Nominal 775 mV RMS

## External Paging Port

Output Level 25 - 32mA

Impedance 600 ohm

## System speed dials

Max. 500

## Extension current and voltage feed

Voice: 40 volts 25 mA constant current

Data: 40 volts 10 mA constant current

## Dial tone duration

10 s

## Programming

Featurephone (default extension 20) or PC Wizard through serial port

## Remote access

On ISDN or Analogue Lines. (Built in V32bis modem)

## Ringling voltage/frequency

± 40 V 25Hz (trapezoid)

## Ringling cadences

*Incoming call:* 400 ms on 200 ms off, 400 ms on 2.0 s off

*Internal call:* 1 s on 2 s off

*Door intercom call:* 400 ms on 2.6 sec off

*Call recalling:* 1s on 400 ms off, 400 ms on 1.2 s off

## Tone frequencies

440 Hz ±5 Hz, unless stated otherwise

## Tone cadences

*Dial Tone:* Continuous tone of 440 Hz ±5% and 350 Hz ±5% combined

*Special dial tone:* 800 ms on 800ms off of 440 Hz ±5% and 350 Hz ±5% combined

*Ringback tone:* 1 sec on 2 sec off

*Busy tone:* 500 ms on 500 ms off

*Congestion tone:* 200 ms on 200 ms off

*Hold tone:* 200 ms on 200 ms off, 200 ms on 3.4 s off

*Conference tone:* One burst of 400 ms

*NU tone:* Continuous tone

*Call waiting tone:* 100 ms on 4.9 s off

## Environmental requirements

*Normal working temperature:* 0°C to 40°C

*Working humidity (non-condensing):* 5% to 95%

*Storage temperature:* -40°C to +85°C

*Storage humidity:* 5% to 95% @60°C

## Doorstrike relay contact

*Max rating:* 24 Volts DC, 2 Amps

## Safety and protection

EN55022, EN55024, EN60950

## Door Intercom Size

*Height:* 203 mm *Width:* 703 mm *Depth:* 38 mm

## Colour of System

*Charcoal:* ref: Pantone 432C

## Router Info

*LAN:* 4 x 10/100 Base-Tx ports

*ADSL:* 10 Base-T output for an external ADSL modem

*ISDN:* Access to B-channels on PABX PPP, MLPPP, BACB

*Protocols:* IP V4

*Authentication:* PAP/CHAP

*DHCP:* DHCP server supports up to 100 IP addresses

*Routing:* Static routing

*Firewall:* NAT, Packet filtering

*Call management:* Idle timers, Time of day restriction

*Management:* Local management, Remote management, Installation Wizard

## Hotel Facilities

Optional software

Check in / Check out

Call billing

Programmable call charges

Room Status

Guest / Administration extensions

Message waiting

Alarm Calls

## Helpdesk

Full remote support from a BT Maintenance Centre

Remote Diagnostics

Remote Programming

Automatic fault reporting can be provided

To find out more about BT Versatility speak to your BT account manager or call BT Business Information Systems on **Freephone 0800 389 4848** or visit our web site at [www.bt.com/bis/btversatility](http://www.bt.com/bis/btversatility)



## Offices worldwide

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