

Wireless Server 6000

Supplementary information
Telephony & cordless



Protocol support

- Session Initiated Protocol (SIP)
- RFC 2327 session description protocol
- RFC 2833 RTP payload for DTMF digits, telephony tones and telephony signals
- RFC 2976 the SIP INFO method
- RFC 3261 SIP
- RFC 3262 reliability of provisional responses in SIP
- RFC 3264 an offer/answer model
- RFC 3265 SIP-specific event notification
- RFC 3428 SIP extension for instant messaging
- RFC 3515 the SIP refer method
- RFC 3842 a message summary and message waiting indication event package
- RFC 3891 the SIP replaces header

Supported codecs

- G.711 alaw and ulaw
- G.729 AB (codec module required)

System capacity

Max. number of radio units (base station and repeaters)	256
Max. number of simultaneous calls on each base station	11
Max. number of repeaters on each base station	6
Max. number of simultaneous calls on a wireless server 6000/media resource (G.711)	32
Max. number of media resources	32
Max. number of simultaneous calls with 32 media resources	1024
Max. number of simultaneous calls with 32 media resources with codec module	768
Max. number of registered handsets	4096*

* Licence stepwise scalable up to 4096 users

Alarm and messaging

Compatible with Multitone alarm management module Access Integrator-D.

Operation and maintenance

- Single web portal on the wireless server 6000 for administration and maintenance of the entire DECT infrastructure
- HTTP with digest authentication
- HTTPS
- Provisioning, maintenance and supervision of all infrastructure components in the DECT solution (base stations and optional media resources)
- Provisioning, maintenance and supervision of all handsets controlled by the solution

Wireless server 6000



Base station 12-unit

Network and provisioning

- 10/100 Mbps Ethernet port
- Manual or Dynamic Host Configuration Protocol (DHCP) network setup
- Time and date synchronisation from the wireless server 6000
- Event logging
- LED status indication

Radio interface

- Full slot DECT RF part (12 channels)
- RF output 20 to 24 dBm at antenna connection
- Sensitivity: typical -90 dBm measured at antenna connection at BER=0.001
- Typical range indoor: 20-50m, outdoor: 300m.
- Frequency bands available: ETSI DECT (1880-1900 Mhz), South America (1910-1930 Mhz), USA DECT (1920-1930 Mhz)

Electro Magnetic Compatibility (EMC) approvals (regulatory standards)

- EN 301 489-1:V1.6.1
- EN 301 489-6:V1.2.1
- FCC RULES, FCC PART15, SubpartD
- IC RULES RSS213 Issue 2, Dec 2005

Safety (regulatory standards)

- UL60950-1 CAN/CSA-C22.2 No. 60950-1-03
- EN 60950-1:2006

DECT approvals

- EN 301 406V1.5.1

Environmental conditions

- Relative humidity: between 20% and 80% (non-condensing)
- The equipment is in compliance with the requirements of EU directive 2002/95/EC (ROHS) and 2002/96/EC (WEEE)

Electrical requirements

- Power over Ethernet (IEEE 802.3af)
- PoE Class 1 device
- Typical power consumption: 1W per unit

Physical characteristics

- Size: 100mm (h) x 100mm (w) x 38mm (d)
- Weight: 120g
- Grey-white (NCS 0502-Y)
- Wall-mountable, indoor

Wireless server 6000-unit

Network and provisioning

- 10/100Mbps Ethernet port
- Manual or Dynamic Host Configuration Protocol (DHCP) network setup
- Time and date synchronisation using NTP
- Event logging

Approvals (regulatory standards)

- EN55022:2006,
- EN55024:1998, A1:2002, A2:2003
- FCC RULES, CRF47, PART15, class B digital device

Safety (regulatory standards)

- UL60950-1 CAN/CSA-C22.2 no. 60950-1-03
- UL file no: E215601
- EN60950-1:2006

Environmental conditions

- Relative humidity: between 20% and 80% (non-condensing)
- The equipment is in compliance with the requirements of EU directive 2002/95/EC (ROHS) and 2002/96/EC (WEEE)

Electrical requirements

- External power supply
- Power consumption 8V/500mA
- Typical power consumption: 4W per unit
- The supplied power for AC adapter power supply must be 110 to 240ac nominal, 50/60 Hz

Physical characteristics

- Size: 164mm (h) x 164mm (w) x 54mm (d)
- Weight: 360g
- Grey-white (NCS 0502-Y)
- Wall-mountable, indoor

Multitone Electronics plc, Geddes House, Kirkton North, Livingston, West Lothian, EH54 6GU
Tel: +44 (0)1506 418198 Fax: +44 (0)1506 411711 Email: info@multitone.com Web: www.multitone.com

This brochure is for guidance only. Products and services offered are subject to availability and may differ from those described or illustrated in this brochure as a result of changes. Specifications are subject to change without notice. Multitone Electronics plc is part of Kantone Holdings Ltd, a member of the Champion Technology group of companies. Registered office: Multitone Electronics plc, Shortwood Copse Lane, Kempshott, Basingstoke, Hampshire, RG23 7NL. Registered in England No. 256314.

Literature No: NPL006 Issue: 02



FM 20122