
In conjunction with Alcatel-Lucent DECT Handsets, the 4070 DECT Base Station family offers reliable voice communications. Full integration with the value-added voice services (such as dial-by-name and multi-line management) of the Alcatel-Lucent Premium DeskPhones provide seamless feature transition between Alcatel-Lucent fixed desk phones and on-site mobility solutions.

**FEATURES**

- Supports OmniPCX telephony protocol
- Supports GAP protocol
- Supports Identity, Authentication and Encryption as defined in ETSI
- Radio coverage from 50 m to 300 m (approximately 55 yd to 328 yd) depending on location and environment
- Switched antenna diversity

**BENEFITS**

- Products for all frequency bands: Europe, US (DECT 6.0), South America and Asia bands
- Adapted to all environments: exists in indoor, outdoor and for explosive environments (ATEX)
- Integrated antennas
- Connector for external antennas on indoor and outdoor models

- Provides cost-effective on-site mobility
- End-user access to OpenTouch BE, OmniPCX Enterprise CS and OmniPCX RCE voice features
- Adapted to all enterprise environments such as office, industrial and explosive
- Suitable for all sizes of enterprise business: Small, medium and large
- External antenna for difficult area coverage
TECHNICAL SPECIFICATIONS

Radio specifications
• DECT/GAP
• Frequency band:
  - 1.88 GHz to 1.90 GHz (Europe)
  - 1.91 GHz to 1.93 GHz (South America)
  - 1.92 GHz to 1.93 GHz (US)
  - 1.90 GHz to 1.92 GHz (Asia)
  Note: ATEX version available for Europe only
• Channels can be disabled by call server to adapt to local regulations
• Channel bandwidth: 1.728 MHz
• Transmission carriers: 10
• Number of simultaneous active time slots: six max
• RF power 250 mW, limited to 100 mW for US (DECT 6.0)
• Radio coverage from 50 m to 300 m (approx 55 yd to 328 yd) depending on location and environment
• Switched antenna diversity
• Integrated omnidirectional antenna 3 dBi gain (maximum)
• SMA connectors for connecting external antennas
• SAR: less than 0.25 W/kg for six simultaneous active calls

Protocol specifications
• ETSI GAP-compliant
• Supports identity, authentication and encryption
• Software downloading from call server

Electrical interface
• 1 or 2 TDM UA interface
• Twisted pair cabling remote feeding up to 1200 m/approx. 1312 yd

Power feeding
• Remote power feeding on TDM link
  Typical consumption for six simultaneous calls: 2 W
• Local power feeding for extended wiring range to call server (indoor version)
• Uses same power supply as Alcatel-Lucent fixed wired phones (48 V)

Environmental

Environmental
• IEC 721-3-1 Storage
• IEC 721-3-2 Transport
• IEC 721-3-3 Stationary
• IEC 721-3-7 no Stationary

Operating temperature
• Indoor: +10°C to +40°C (+50°F to +104°F)
• Outdoor, ATEX: -20°C to +55°C (approx. -4°F to +131°F)

IP class
• Indoor base station: IP 20
• Outdoor base station: IP 55
• ATEX base station: IP 65

Physical specifications
• Wall-mountable
• Indoor
  - Height: 8.5 in. (215 mm)
  - Width: 6.7 in. (170 mm)
  - Depth: 1.8 in. (45 mm)
  - Weight: 15.5 oz (440 g)
• Outdoor
  - Height: 14.4 in. (365 mm)
  - Width: 8.3 in. (210 mm)
  - Depth: 2.6 in. (65 mm)
  - Weight: 52.2 oz (1.48 kg)
• ATEX
  - Height: 29.92 in. (760 mm)
  - Width: 11.81 in. (300 mm)
  - Depth: 5.90 in. (150 mm)
  - Weight: 359.8 oz (10.2 kg)

Regulatory

EC Directive
• 1999/5/EC (R&TTE)
• 94/9/EC (ATEX)

Safety
• IEC 60950-1
• EN 60950-1
• UL 60950-1*
• CAN/CSA-22.2 No 60950-1*
* For indoor and outdoor base stations only

EMC and radio
• EN 301406 DECT RF
• EN 301489-06 EMC
• FCC CFR47 Part 15D US Code of Federal Regulations SAR*
* For indoor and outdoor base stations only

SAR
• EN 50385 Human exposure
• FCC OET Bulletin 65 supplement C US Human exposure*
* For indoor and outdoor base stations only

DECT
• EN 300 175 DECT CI
• EN 301 406 (TBR6) DECT RF
• TBR10 Telephony
• TBR22 GAP

ATEX classification
• II 2 G Ex de IIC T6

ATEX standards
• EN 60079-0 general requirements
• EN 60079-1 Flameproof enclosures “d”
• EN 60079-7 equipment protection by increased safety “e”