

[PRODUCT SHEET]

Product:	Ascom TDM-DECT base stations
	DECT GAP/CAP radio interface
	11 channels for calls, max eight simultaneously, messaging and alarms
	One channel dedicated for alarms
	Minimal space requirements
	Extreme operating range (up to 1.9km)



ASCOM TDM-DECT BASE STATIONS SIMPLE AND SECURE IP-PBX SOLUTIONS

Expanding your existing enterprise PBX systems with IP technology is extremely efficient using the IP-DECT product range from Ascom Wireless Solutions.

IP functionality with DECT performance

When connected to an Ascom IP-DECT gateway the Ascom TDM-DECT base stations provide IP telephony via a local area network (LAN).

Extended range and versatility

The TDM-DECT base stations are available with factory option of either internal or external antennas. The TDM-DECT base station with external antennas comes with two omni-directional antennas but can easily be replaced by other specified antennas for extended range.

Although only one antenna is active, at any given time, multiple antennas ensure the integrity of the radio signal. Radio signal fading is corrected by switching to the other antenna for transmission and reception, resulting in more stable radio performance and better speech quality.

Flexible and adaptive channels

TDM-DECT base stations feature 11 channels with which to handle calls, max eight simultaneously, messaging and alarms; however, one channel is dedicated to alarms to make sure that alarms are always transmitted

Easy integration, installation and expansion

The compact design and physical features of the TDM-DECT base stations make them easy to position and mount on a wall or pole, using optional mounting hardware.

With a service radius of 1.9km from the originating telephone system, the TDM-DECT base stations can be used to create large service areas with remote locations, without needing to build a separate LAN with extra switches.

PRODUCT SHEET: TDM-DECT BASE STATIONS

TDM-DECT base station technical specifications		
<p>Dimensions (l × w × d): 170x170x38mm / 6.7x6.7x1.5in (including mounting bracket) Length antennas: 107 mm Weight: Approx. 400g</p> <p>Connector type: Data lines: RJ45 (8-pins) External antenna interface: MCX (female) Material: ABS moulded plastic Color: White (NCS S 0502-B)</p>	<p>Cable Interface Signal and power transport: 2 unshielded twisted pairs Express power transport: 1 optional unshielded pair (may be twisted) Maximum length: 1.9 km with standard CAT5 cable (FTP CAT5e 4x2x0.5). Radio controller dependant, 1.9km valid for IP-DECT Gateway.</p>	<p>Compliance to European regulations and standards EU directives: 1999/5/EC (R&TTE) Radio: EN 301406 Safety: EN 60950-1 EMC: EN 301 489-6, EN 301 489-1, EN 60945 Product marking: EC Declaration of Conformity can be found at: http://www.ascom.com/ws/products_ws.htm</p>
<p>Power Powering method: Locally, or centrally via 2 data pairs (UTP) and 1 optional pair Operating voltage: 21 to 56 V DC Power consumption: 1.3 W to 2.0 W depending on number of slots currently in use.</p>	<p>Environmental Operating temperature: -10 to 55 °C Storage temperature: -25 to +55 °C Relative humidity (non condensing): Operating: 15 to 90% RH Storage: 5 to 95% RH</p>	<p>Compliance to US and Canadian regulations and standards Safety: CSA/UL 60950-1 EMC/Radio: FCC part 15 (Class B), RSS-213 and ICES-003 Product marking: FCC ID: BXZDB1, IC:3724B-DB1</p>
<p>DECT frequencies: Standard: 1880 - 1900 MHz Latin America: 1910 - 1930 MHz Brazil: 1910-1920 MHz USA and Canada: 1920 - 1930 MHz</p>	<p>Radio Frequency, RF Output Power (e.r.p.): EU, LA, China: Between 23 dBm and 28 dBm (with internal antenna) US/CAN: Between 17 dBm and 21,6 dBm (only available with internal antenna)</p>	<p>Compliance to Australian regulations and standards Radio: Radiocommunications (Digital Cordless Communications Devices — DECT Devices) Standard 2007 Safety: AS/NZS 60950-1 Product marking: </p>

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