

[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, Ascom TDM-DECT base stations (BS330 and BS340) provide IP telephony via a local area network (LAN).

Extended range and versatility

The TDM-DECT base stations feature either internal or external antennas, depending on the actual unit. BS340 external antennas can be replaced with other types, depending on the application area.

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.

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TDM-DECT base station technical specifications		
<p>Dimensions (l × w × d): 165 × 200 × 56 mm (including mounting bracket)</p> <p>Length antennas: 107 mm</p> <p>Weight: BS330: 470 grams (incl. standard internal antennas)</p> <p>BS340: 496 grams (incl. standard external antennas)</p> <p>Connector type: Data lines: RJ45 (8-pins)</p> <p>External antenna (BS340): MCX (female)</p> <p>Material: ABS moulded plastic</p> <p>Color: Light grey (NCS 2005-Y20R)</p>	<p>Base station cable</p> <p>Signal and power transport: 2 unshielded twisted pairs</p> <p>Express power transport: 1 optional unshielded pair (may be twisted)</p> <p>Maximum length: 1.9 km with standard CAT5 cable (FTP CAT5e 4x2x0.5).</p>	<p>Compliance to European regulations and standards</p> <p>CE directives: 73/23/EEC (LVD), 89/336/EEC and 92/31/EEC (EMC), 1999/5/EEC (R&TTE), and 93/68/EEC (CE Marking)</p> <p>Product marking: </p> <p>Radio: EN301406:2001, EN 300444:2001</p> <p>Safety: EN 60950-1:2001 class III</p> <p>EMC: EN 301 489-6:2002</p>
<p>Power</p> <p>Powering method: Locally, or centrally via 2 data pairs (UTP) and 1 optional pair</p> <p>Operating voltage: 21 to 56 V DC</p> <p>Power consumption: 1.3 W to 2.0 W depending on number of slots currently in use.</p>	<p>Environmental</p> <p>Operating temperature: -10 to 55 °C</p> <p>Storage temperature: -40 to 70 °C</p> <p>Operating relative humidity: 15 to 90% RH, non condensing</p> <p>Storage relative humidity: 5 to 95% RH, non condensing</p>	<p>Compliance to International regulations and standards</p> <p>Safety IEC60950-1:2001</p> <p>DECT ACA TS028</p> <p>EMC (US & Canada): FCC parts 15</p>
<p>DECT frequencies:</p> <p>Standard: 1880 - 1900 MHz</p> <p>Latin America: 1910 - 1930 MHz</p> <p>China: 1900 - 1920 MHz</p> <p>USA and Canada: 1920 - 1930 MHz</p>	<p>Radio:</p> <p>Peak output power at RF-connector: 19 to 24 dBm</p>	

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