

Avaya DECT 3740 / 3745 / 3749 Wireless Handsets



Wireless handsets for rugged environments

Overview

In noisy, dusty production environments—factories, chemical plants, mills, etc.—in-building wireless communications can be a convenience, a boost to productivity and, in dire situations, a life-saver.

Digital Enhanced Cordless Telephony (DECT) is an ideal wireless solution for these environments because it supports a secure, dedicated, voice-only network in an assigned frequency band. This eliminates or minimizes interference from RFID devices or scanners.

DECT also requires a shortened planning cycle when compared with Wi-Fi and is consequently more easily scalable.

Handsets for production environments

Avaya DECT 3740 / 3745 / 3749 Wireless Handsets are specifically designed for rugged production environments. These shock and scratch-proof phones with backlit keypads, large displays and enhanced liquid and dust protection are designed to enable users to quickly make and receive phone calls (including Caller ID), take advantage of hold, conferencing and messaging and get efficient access to additional Avaya Aura® Communication Manager capabilities.

The built-in speakerphone, headset compatibility and text messaging simplify communications for workers in widely distributed production locations.

Communications takes place over a dedicated, encrypted wireless network. Batteries support up to 18 hours of talk time and up to 150 hours of standby time (10/90 hours on the 3745 & 3749).

The 3749 DECT telephone is certified to ATEX (Atmospheres explosables) standard, Explosion protected and CSA (Canadian Standard Association) approved. It can be used in areas where an intrinsically safe device is required (e.g. the chemical industry, mills).

Built-in sensor and alarming capabilities make these handsets a good choice for isolated or other high-risk work environments where an employee might be working alone. They can be integrated with building security systems.

Enhanced security allows early encryption and re-keying during an ongoing call and also addresses the security risk of staying permanently open for registration by placing registration activation under user's control. Secure Real-time Transport Protocol (SRTP) is available for voice encryption on an IP network.

The DECT standard is widely used in Europe and was approved in the United States in 2006.

AVAYA 3740, 3745 AND 3749 DECT HANDSETS AT-A-GLANCE:

- Operate in an assigned frequency band
- High security and excellent voice quality
- Liquid- and dust-protected and shock-proof
- Long range and battery life (up to 18 hours talk time)
- IP DECT and ISDN DECT network compatibility
- Rich selection of accessories

Avaya DECT 3740 / 3745 / 3749 Wireless Handsets

Dimensions	143 x 59 x 29 mm
Weight	180g
Display	3740: 128 × 160 pixel Black & White LCD with white LED back-light 3745, 3749: 128 × 160 pixel 64k color LCD with white LED back-light
Management	Centralized software upgrade and remote handset configuration over-the-air (only IP DECT) and also via Intranet (using the advanced or rack mount charger)
Durability	Liquid and dust protected (IP 65), drop tested (IEC 68-2-32, procedure 1, dropped 12 times from 2.0 m)
ATEX / IECEx Approvals	3749 only: ATEX and IECEx for Gas: II 2G EEx ib IIC T4 Dust: II 3D Ex ibD 22
Headset connector	Bluetooth 2.0, hands-free profile (3745 & 3749 only) Wired headset connector preserves liquid and dust protection
Speech Time	3740: 18 hours 3745, 3749: 10 hours w/o Bluetooth, 12 hours with Bluetooth
Standby Time	3740: 150 hours 3745, 3749: 90 hours (with Bluetooth enabled but not connected)
Speaker phone	Full duplex loud speaking function on 3740, and 3745 Half duplex loud speaking function on 3749
Languages (19)	Czech, Danish, Dutch, English, Finnish, French, German, Greek, Hungarian, Italian, Norwegian, Polish, Portuguese (Brazilian), Portuguese, Russian, Slovakian, Spanish, Swedish, and Turkish
Local Phone Book	250 contacts
Voice Network Compatibility	IP and ISDN
Frequency Range	EU: 1880-1900 MHz US: 1920-1930 MHz LA: 1910-1930 MHz BR: 1910-1920 MHz
Operating Temp.	3740, 3745: -10°C to +55°C 3749: -10°C to +40°C (-10°C to +55°C in areas where ATEX approval is not required)
System Compatibility	Avaya Communication Manager; Integral Enterprise; Integral 5; IP Office R10.0 (To be released soon)
Accessories	Corded headsets; leather case; belt clips; basic, advanced and battery charger (battery charger only 3740)

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