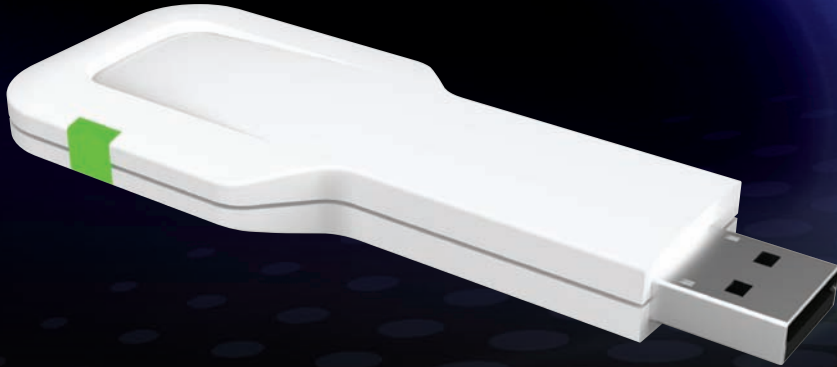


RTX3700 DECT/CAT-IQ USB DONGLE

Adding Cordless HD Voice to Gateways



The RTX DECT/CAT-iq USB Dongle is a complete DECT / DECT 6.0 / CAT-iq 2.0 "Micro Basestation", which allows Gateway Manufacturers and Operators to add cordless HD voice services to new or installed Gateway equipment, bringing new, differentiated services that enhance the end-user experience.

ADDING CORDLESS HD VOICE TO GATEWAYS

With the RTX DECT/CAT-iq USB Dongle, Gateway Manufacturers and Operators now have the opportunity to offer superior cordless voice quality and advanced features compared to fixed line telephony.

The RTX DECT/CAT-iq USB Dongle adds a series of benefits for the end users:

- Cordless HD voice ensures superior voice quality
- Shared internet phonebook
- Up to four simultaneous calls
- Full compatibility with a wide range of handsets and accessories (e.g. headsets)
- Features such as call transfer, call logs (received, missed, placed), etc.

The RTX DECT/CAT-iq USB Dongle is a unique, upgradeable, low-cost solution that can be used to retrofit an Operator's installed base of VoIP Gateways, or to prolong the lifetime of a Manufacturer's existing Gateway portfolio. In addition, the underlying DECT technology is an optimal platform for home automation, security, and green energy applications.

The RTX DECT/CAT-iq USB Dongle is available as an external device as pictured; alternatively, the core technology can be integrated inside of a Gateway, while maintaining the same software interfaces.

HOST FIRMWARE INTEGRATION

The RTX DECT/CAT-iq USB Dongle is provided with a well documented API and Software Development Kit (SDK) to enable easy integration between the Dongle and the Gateway's VoIP application.



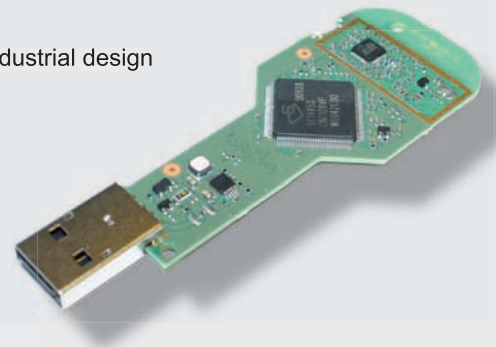


TECHNICAL SPECIFICATIONS

DONGLE FEATURE

SPECIFICATION

Cordless Standards Supported	DECT (EN 300 175-1-8), DECT 6.0 (FCC part 15, Sub-part D, IC RSS-213), CAT-iq 1.0 (TS 102 527-1), CAT-iq 2.0 (TS 102 527-3), and future CAT-iq versions, as ratified
USB Audio Interface Options	Two different options available: <ul style="list-style-type: none">• Single Bulk Interface (Audio & Control; can directly pass G.722/726/711 audio streams)• USB audio device class and a HID control interface (exposed as composite device; automatically detected by Linux ALSA driver; uses 16-bit/16kHz linear PCM streams);
Feature Examples (accessed via API)	Call Setup and Disconnect, Caller ID and Caller Name ID, parallel call services, call transfer, call logs (received, missed, placed), phonebook, CODEC negotiation, firmware update, time and date synchronization, etc.
Over the Air CODECs Supported by Dongle	G.722 (7kHz Wideband), G.726 & G.711 (both 3.4kHz Narrowband)
User Interface options	Status LED, Page / Registration Button (optional via customization)
Wireless Security Protocol	DECT Standard Cipher (DSC), using a 35-bit initialization vector and encryption of voice stream with 64-bit encryption
Simultaneous Phone Calls Possible	4 (wideband, narrowband, or combination)
Number of Antennas in Dongle	1 internal antenna (standard); polar diversity antennas (2) as custom option
Wireless Range	Up to 50m indoors; up to 300m line of sight
Typical MIPS requirements from host CPU	Approximately 5
Average Current Consumption (from USB Port)	One Narrowband Call: 75mA; One Wideband Call: 90mA; Four (4) Wideband Calls: 135mA; Idle (Standby): 60mA; Suspend: <2.5mA
Dimensions	35mm x 70mm (Standard product) Custom designs possible: <ul style="list-style-type: none">• Custom logo• Custom colour• Custom form factor and industrial design



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