Aastra WiFi412 – Cordless Wi-Fi Phone

» Focused on users' demands

On-site mobility

The WiFi412 phone is built to withstand challenging environments and usage. With its backlit and easy-to-read display as well as the grip-friendly and yet lightweight design this phone is great for use in demanding conditions. Focused on users' demands, this phone simply delivers first-class services anywhere, from hospitals and logistics to heavy industry.

With a wide range of accessories for comfort, performance and protection, the phone is flexible enough to be adapted to meet individuals' needs in almost any working situation.

Get the message

Naturally the WiFi412 allows you to send and receive messages either standard SMS between handsets, or web/PC to handset. Built to support messaging, the phone is a natural component in more complex messaging solutions. Advanced messaging services are typically integrating external sources, including building management systems, hospital systems, production process systems etc.

WiFi412 is designed to operate continuously, as a personal phone, in shift work, or as a function phone. It may be used by single or multiple users, all with their own personal profile settings. Complemented with special rack chargers, battery chargers, and management services, the phone is able to operate 24 hours per day, 7 days a week.

AASTRA

Wireless LAN / Wi-Fi for telephony

Based on the IEEE 802.11 standard for wireless LAN, with 802.11 b and g radio running on the unlicensed frequency range in the ISM band, the phone connects to the IP Extension interface of the Aastra PBXs via the SIP protocol. In fact the WiFi412 phone integrates directly in the enterprise IT/IP environment just like any other IP device.

The phone complies with Wi-Fi regulations in North and South America as well as in Europe and Asia. National variants of the supported spectrum and the channel allocation are automatically adjusted by the phone. For serving users in various countries the display language can be configured in the phone.

Modern Wi-Fi networks can be built to support business class voice services. However, it should be noted that a Wi-Fi network for demanding voice communication needs to be carefully planned, site surveyed and maintained by personnel with Wi-Fi skills comparable to a CWNA level, to achieve expected performance. The advanced networks can also be built and configured to match the security demands of practically any company.

Standardization of wireless LAN has currently reached such a level that generic Wi-Fi networks can be used for telephony, without the need for proprietary add-ons. The WiFi412 phone can consequently operate on any business class voice capable Wi-Fi (802.11 b/g) infrastructure.

The Phone

Business class Wi-Fi phones differ from the simpler consumer phones in the sense that they support high quality hand-over between access points, within a segment as well as between 2 segments. In addition to hand-over quality, the voice quality also has to be guaranteed when combining mobility with high-security configurations. The WiFi412 is a real business class phone!

The durable display with 2 different text sizes and adjustable contrast is there to further improve readability and reliable usage. With 10 modes for personal settings, 10 programmable hot keys and 3 programmable soft keys, the phone is easily adjusted for personal performance.

Reliable

In addition to the extremely reliable HW and the well proven SW, the phone has a range of dedicated features to further secure continuous operation of the telephony services. With features such as Shared Phone (simple log-in procedure to retrieve personal settings), Virtual SIM (for central storage and backup of personal settings) as well as centrally-managed display information (i.e. time and date) and central management of phone SW, the phone is designed for every day use.

Central Portable Device Manager

WiFi412 is supported by a central management tool and a web-based management interface directly to the phone. Through the central management tool CPDM (Central Portable Device Manager) the administrator can keep track of the phones as well as the SW versions running on the phones. In addition the administrator can remotely configure and manage the settings and backup of the phones. With all terminal data stored and backed up centrally the phones can easily be replaced, or shared. With the Shared Phone solution the user specific data is automatically uploaded to the phone as a new user register.

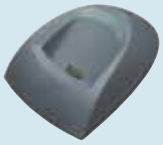
The CPDM will also let the administrator remotely install new SW versions in the whole fleet of phones in a controlled manner, with direct feedback on progress and status. All phone access and SW handling is made over-the-air, thus enabling centralized support, on site as well as remotely.

In addition to managing the phone through the CPDM the phone also has a direct web interface. Through the web interface the administrator can access one phone at a time to manage SW and settings. Statistics and logging data can also be accessed via the web interface.

Accessories

A range of accessories, such as various types of headsets and hands-free versions (including Peltor headset adapter), belt clip, protective leather case and security string, high capacity battery, battery rack charger, desktop charger and rack charger for the phones, are available to offer flexibility and to support the users' needs.

Accessories



Desktop charger

Rack charger for phones

Rack charger for batteries

Battery, standard/extended

Headset

Headset

Peltor headset adapter

Belt clip

Leather case with clip

Security string

Technical specifications

Vibrator, discrete notification of incoming calls and messages	Yes
Virtual SIM, central storage of personal settings	Yes
Loudspeaker	Yes
Support of central phone book service with Integrated MS	Yes
SMS compatible messaging	Yes (message length up to 5,000 characters, depending on interconnected system)
Local phone book	100 entries (22 character name and 22 character number)
Call log	20 last received, missed and dialed calls, with time stamp
Message log	Up to 20 messages, maximum 20,000 characters
Battery capacity	
– 1,000 mAh, standard	Speech 10 h / Stand-by 40 h, charging 2 – 4 h
– 1,800 mAh, extended	Speech 18 h / Stand-by 60 h, charging 3 – 6 h
Number of network subscriptions	4 systems, manual selection
Supported networks	802.11 b/g
Quality of Service (QoS)	802.1 e, WMM
Power management	802.11 e U-APSD (according to Wi-Fi Alliance WMM-PS)

Security	802.11i
– Encryption methods	64/128 bits WEP, TKIP, AES-CCMP
– Authentication methods	802.1X, Original 802.11 open/shared key auth., WPA-PSK, WPA2-PSK, LEAP, PEAP-MCHAPv2, EAP-MD5
Roaming enhancement	Pre-authentication, PMKSA cashing, CCKM
VoIP codec	G.711A/u
Central and remote management of the phone	Yes
Central and remote SW upgrade of the phone	Yes
Ruggedized, shock proof and ESD protected, IP class 40	Yes
Material	Case and key-pad, PC/ABS and TPE (free from silicone and latex)
Weight	145 g (with standard battery)
Dimensions (l * w * d)	130 * 60 * 27
Display	128 * 64 pixel LCD, illuminated with white LEDs
Clip	Hinge type (standard) or swivel type
Operating temperature	0˚C – +40˚C
Charging temperature	>= +5˚C

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