



For Self Install Indoor Deployments

Main Features

- Supports Mobile WiMAX and Fixed WiMAX profiles
- World's first "Self-Install" WiMAX CPE
- Full indoor non-LOS (NLOS) deployment
- User unpacks, plugs in and surfs - Installation takes less than 1 minute!
- Stackable "CD" Style Design utilises latest Intel WiMAX chipset
- Dual mode operation – capable of supporting both Mobile WiMAX and Fixed WiMAX
- Optional IEEE 802.11b/g Wi-Fi access point
- Optional VoIP base for 1 or 2 POTS lines
- A range of antenna options
- Up to 8.5dBi, 4 x 90° auto selecting antenna
- Full support for Sub-Channelisation (OFDMA on uplink)
- Integral SIM card reader
- "Auto-Connect" and "Auto-Config" features
- "Fully Nomadic Operation"

EasyST-2

EasyST and ProST CPE products have been developed to work with all WiMAX compliant base stations including all base stations from Airspan. The EasyST is an all-indoor CPE designed for self-install by the end user whereas the ProST is a part indoor- part outdoor CPE which requires professional installation and provides superior link budget in difficult deployment conditions.

The EasyST is a physically compact WiMAX CPE designed to be deployed alongside the end user's PC. With dimensions close to the size of 2 CD jewel cases, EasyST looks great when sitting on a desk or window sill.

The EasyST is designed to be installed by the end user, using a simple-to-use but sophisticated user interface to enable optimum positioning without needing to switch-on the user's PC. This helps improve service availability and reliability whilst increasing service speed and reducing network load.

Three different deployment models are supported: using the integral 4 x 90° antenna; using together with the optional Wi-Fi expansion (thus locating the EasyST by a window); or using an external antenna. In all cases a visual indication system informs the user when the optimum location for RF reception and transmission is achieved.

The latest generation EasyST, called EasyST-2, is based on the Rosedale 2 chipset from Intel and is capable of supporting both Mobile WiMAX and Fixed WiMAX profiles. Simply through software the device can be configured to support one or the other profile.

In addition to the simple-to-use user interface, EasyST also has an in-built Web server, which allows advanced configuration by the end-user or even remote configuration by a network operator's customer service staff. EasyST is designed for combined voice and data deployments.

EasyST has two optional "stackable" extension bases, one for Wi-Fi and the other for VoIP and data.



EasyST with Wi-Fi

EasyWi-Fi

The Wi-Fi expansion base provides full IEEE 802.11b/g AccessPoint functionality and turns each EasyST into an instant hot spot, with the WiMAX radio interface providing backhaul for IEEE 802.11b/g clients. Thanks to IEEE 802.16 QoS built into the EasyST, Wireless SIP phones can make high quality, managed VoIP calls.



EasyST with EasyVoice

EasyVoice

Voice and data applications are supported by the VoIP expansion base, which supports 2 voice lines and an Ethernet port, thus providing services to standard, RJ-11 equipped telephone instruments. Battery backup can also be provided, where applicable, and uses simple AA rechargeable NiMH cells. The VoIP expansion base is fully managed by Airspan's base stations and VoiceMAX solution to ensure a fully transparent, carrier-class voice service.

EasyST-2 Technical Summary

	EasyST-2
Mobile WiMAX	Yes
Fixed WiMAX	Yes
Standards Compliance	IEEE802.16e-2005
	IEEE802.16-2004
Form Factor	Indoor Self-Install
Frequency Bands	1.5GHz, 3.3GHz, 3.5GHz, 3.7GHz, 4.9GHz, 5.8GHz
Channel Size	10MHz, 7MHz, 5MHz, 3.5MHz, 1.75MHz
FFT	1024, 512, 256
Duplex Method	TDD, FDD
Tx Power (Frequency band dependant)	+24dBm
Rx Sensitivity	-103dBm
STC	Yes
MIMO	No
MIMO Matrix Type	No
CSM	Yes
Beamforming	No
Uplink Sub-Channelization	Yes
PUSC	Yes
Fractional Frequency Reuse	Yes
Ethernet CS	Yes
IP CS	Yes
IP version support	IPv6, IPv4
User Interface	10/100bT Ethernet, WiFi, PoTs with integrated RGW
End to End VLAN (802.1q)	Yes
Supported Usage Scenarios	Nomadic, Fixed
Handover Supported	Yes
Encryption	DES, AES
Authentication	PKM, PKMv2, EAP-TLS, EAP-AKA, EAP-SIM

Note: Specifications are subject to change without notice and are for information purposes only.



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