

STAR4G 3230 USB ADAPTER

802.16E-2005

WiMAX MOBILE SUBSCRIBER DEVICES

EION Wireless' Star4G 3230 USB Adapter is a Mobile WiMAX device that allows any computing platform with a USB interface (e.g., laptop, PC, PDA devices) to get high-speed data access to WiMAX services.



KEY FEATURES

- Industry-leading, high performance, compact size and low power consumption are ideal for on-the-go mobile users who demand broadband wireless
- Completely plug-and-play and can be used by any end user, with friendly connection manager software
- Multiple levels of QoS ensuring performance level for end-to-end multimedia applications

OVERVIEW

The Star4G 3230 USB Adapter offers low power consumption and advanced power saving options to enable extended use while maximizing battery life.

With a small form factor—but high performance—it allows a true mobile WiMAX experience.

The 3230 USB Adapter is completely plug-and-play and requires virtually no installation effort by the end user.

PERFORMANCE

The Star4G 3230 USB Adapter uses state-of-the-art scalable OFDMA technology and is fully compliant with IEEE 802.16e-2005 Wave 2 requirements.

With integrated technologies, such as advanced interference cancellation, MIMO, idle/sleep modes and handover, it provides seamless broadband wireless access; including video streaming at home, at the office or on the move.

To protect information transmitted through a wireless network, standard security Sublayer PKMv2 EAP-based user authorization/authentication and AES for data encryption are supported.

SPECIFICATIONS

GENERAL	3230-23-03	3230-25-03 /3231-25-03*	3230-35-03
RF PHY	S-OFDMA		
Frequency Bands	2.3 - 2.4 GHz	2.5 - 2.7 GHz	3.4 - 3.6 GHz
Channel Size	5, 10 MHz	5, 10 MHz	5, 7, 10 MHz
Duplex Method	TDD		
WIMAX			
WiMAX Compliance	IEEE 802.16e-2005, WiMAX Forum Wave2		
Tx Power Maximum (typical)	+23 dBm (16QAM 3/4 with EVM -24dBm)		
Rx Sensitivity@10MHz QPSK 1/2 (typical)	-96 dBm	-95 dBm	-92 dBm
MULTIPLE ANTENNA SYSTEMS			
MRC Receiver	Two Antenna		
DL MIMO Matrix A and B	Yes		
Antenna Type	Integrated directional cross polarized		
Peak gain	2 dBi(TxD support)	2 dBi	2 dBi(TxD support)
UNIT INTERFACE			
USB	USB 2.0		
Main LED	Color Red\Green		
Integrated flash memory with SW storage	Yes	No/Yes*	Yes
NETWORKING/SECURITY			
IP v4 CS	Yes		
EAP-TTLS with MSCHAPv2	Yes		
EAP-TLS PKMv2	Yes		
IP v4 CS	Yes		
VPN	Yes		
MANAGEMENT			
OMA-DM	Yes		
Connection Manager	Yes		
OS support	Windows XP, Windows Vista, Windows 7		
CONFIGURATION MANAGEMENT			
Graphical User Interface	HTML		
ENVIRONMENTAL SPECIFICATION			
Operating Temp / Humidity	0°C to 40°C / 0% to 90%		
Storage Temp / Humidity	-20°C to 60°C / 0% to 90%		
DESIGN			
Size	94.56 (H) x 27.25 (W) x 11.3(D) mm		
Weight	20g		
Color	Black		
STANDARDS COMPLIANCE			
IEEE 802.16e Wave2 Standard	Compliant		
ETSI/CE regulatory	Compliant upon Customer Request		
Additional Country Regulatory	upon Customer Request		

* available as part 3231-25-03 based on request



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