

# **STAR4G 3400 SERIES**

# 802.16E-2005 WIMAX INDOOR SELF INSTALLABLE SUBSCRIBER DEVICES OPTIONALLY WITH VOIP

EION Wireless' Star4G 3400 Series provides the best in class performance and ease of use to access high speed data and voice services over a WiMAX network.



#### **KEY FEATURES**

- High Transmission Power and high gain MIMO antennas help ensure maximum coverage and customer satisfaction
- Easy deployment with intuitive GUI interface and sophisticated LED signals showing WiMAX network strength to minimize operator assistance.
- Easy Management and OTA Software Upgrade options including TR-069
- Standards based SIP VoIP Signaling and QoS along with advanced phone features for high quality voice communications.

## **OVERVIEW**

The Star4G 3400 Series is incredibly easy to use, with simple and effortless installation of both voice and data services for residential or business subscribers. With variants that support different frequency bands it provides high performance while maintaining low power consumption, Standard 3400 Series devices come with an integral voice port to support standard voice or fax services without any external devices or difficult configuration by the end users.

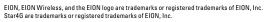
#### **PERFORMANCE**

Coverage and high-bandwidth performance are critical to maintaining customer satisfaction while keeping deployment costs to a minimum. With a fully compliant IEEE 802.16e-2005, SOFMDA-based radio interface, the Star4G 3400 Series combines high spectral efficiency with automatically adaptable coding and modulation and adjustable QoS service flows to enable residential, SOHO, SME and multi-tenant data and voice services that today's customers expect. By combing both broadband and voice services into a single device, along with easy-to-use industry-leading management and configuration options, both operators and their customers can reduce both equipment and operating costs. With variants that support different frequency bands.

## STAR4G 3400

GENERAL	3400DV-23-00 MODEL 3400D0-23-00 MODEL	3400DV-25-00 MODEL 3400DO-25-00 MODEL	3400DV-35-00 MODEL 3400D0-35-00 MODEL	3400DV-37-00 MODEL 3400D0-37-00 MODEL
RFPHY	S-OFDMA			
Frequency Bands	2.3 - 2.4 GHz	2.5 - 2.7 GHz	3.4 - 3.6 GHz	3.6 - 3.8 GHz
Channel Size	5, 7, 10 MHz			
Duplex Method	TDD			
WIMAX				
WiMAX Specification	IEEE 802.16e-2005, WiMAX Forum Wave2			
Tx Power Maximum (typical)	+27 dBm			
Rx Sensitivity @10MHz QPSK 1/2 (typical)	-96 dBm			
Rx Sensitivity @5MHz QPSK 1/2 (typical)	-98 dBm			
Enchance WiMAX Features	ARQ, H-ARQ, CTC, MRC			
MULTIPLE ANTENNA SYSTEMS				
MRC Receiver	Two Antenna			
DL MIMO Matrix A and B	Yes			
Antenna Type	Integrated Omni antennas			
Gain	6.0 to 7.0 dBi			
Connector for External Antenna	No			
NTERFACES				
Data Interface	1 Ethernet connector: 10/100 BaseT Auto, (RJ-45	plug)		
Voice Interface <sup>[1]</sup>	1 FXS POTS phone port for conventional phone (R	J-11 plug)		
LEDs	Power indication, WiMAX connection status, LAI	N status, VoIP status		
NETWORKING/SECURITY				
Ethernet CS	Yes			
IPv4 CS	Yes			
Static IP, DHCP client/server/relay	Yes			
DNS relay, DNS cache	Yes			
User configurable Router	Yes (RIPv1, RIPv2) and NAT (one-to-one, many-to	-one)		
Packet inspection	Yes, firewall with NAT, NAT-T (Traversal), NAT-P1 port forwarding and Java/ActiveX/cookie/keywo		S, Content Filtering, port filter	ing,
VPN pass through	PPTP & L2TP Pass-Through			
L2 and L3 VPN transport through GRE tunnels	Yes			
WiMAX QoS	BE, rt-PS, nrt-PS, ert-PS, UGS			
Security	Data: DES, AES, 3DES; Authentification: (X.509 ce	ertificate), EAP		
Packet Priority	802.1p, IP ToS/Difserv			
VOICE SERVICES [1]				
Signaling	SIP (RFC3261) and SDP (RFC 2327)			
Speech	G.711 (u-law and A-law), G729 codec, G.168 Echo	Cancellation		
Services	DTMF detection and generation, Fax Tone detecti	on, T.38 Fax relay,		
Supplementary services	Call Waiting / Forwarding, Call Transferring, 3 was	conference, Call Hold / Call	Retrieve, Incoming Call Policy	, CLIP
MANAGEMENT				
Connection Manager	Yes			
Telnet, HTTP/WEB, TR-069, SSH v2.0	Yes			
OTA Firmware Upgrade	TR-069, OMA-DM, TFTP/HTTP			
SNMP	Yes, SNMPv1 and SNMPv2c (incl. traps)			
MECHANICAL/ELECTRICAL				
Form Factor	Indoor desktop			
Reset button	Yes, to Factory Defaults			
Temperature	0°C to +45°C			
Humidity	10% - 90% (non condensing)			
Power Consumption (Maximum)	10 W			
Dimension	260(H) x 165(W) x 25(D) mm			
Weight	400 g			
STANDARDS COMPLIANCE	· a			





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