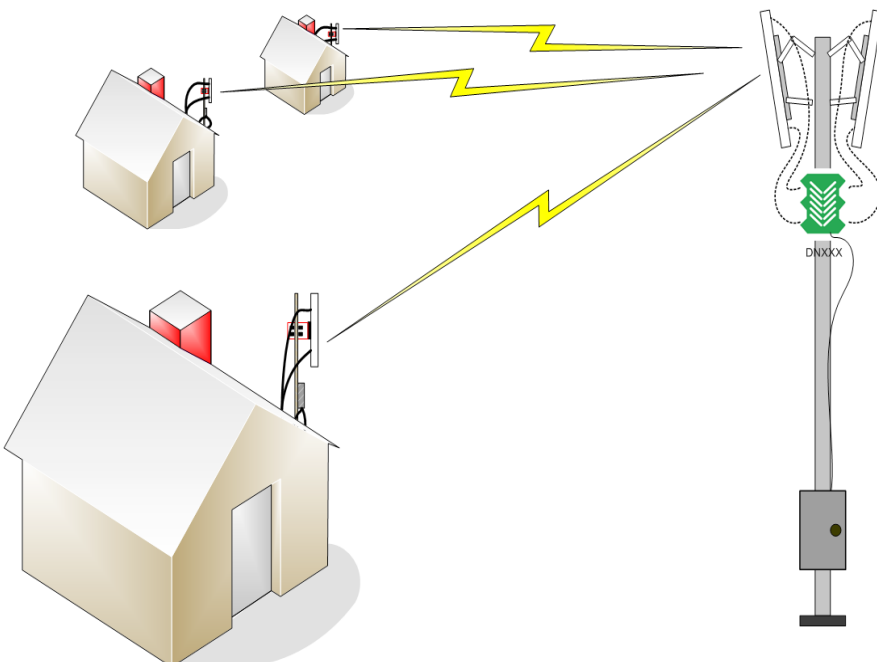


QuadraEdge Intelligent Subscriber Module (ISM)

QuadraEdge Intelligent Subscriber Module is a fully outdoor mounted wireless unit, which is used to communicate with existing QuadraFlex wireless intelligent outdoor routers.

Designed to add value and not be a standard CPE, the QuadraEdge ISM is a distributed edge device designed to add intelligence right up to the customer premises, thanks to its layer three architecture. Firewall, QoS and networking is done right at the edge of the network at the customers' premises, thereby avoiding central network loading. This also reduces the surface area available for security attacks.



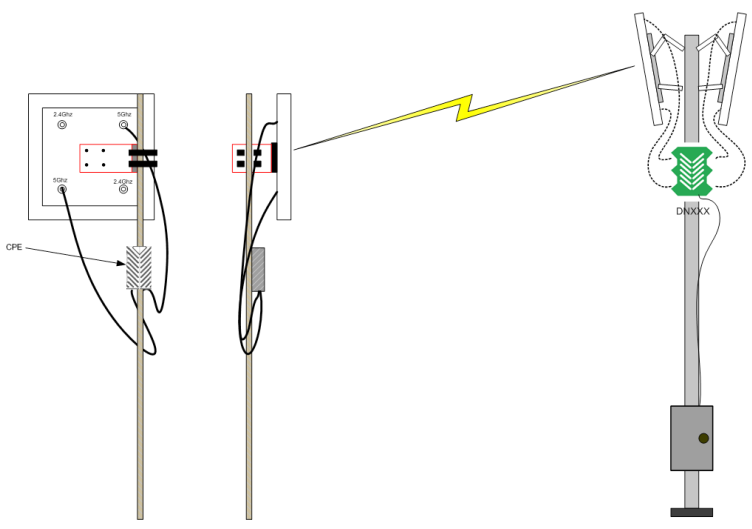
> QUADRAEDGE FEATURES

- Dual band Licence exempt* 2.4GHz and 5GHz operation
- 14dBi 2.4GHz integrated dual polarized MIMO plate antenna, 18dBi 5GHz dual polarized MIMO plate antenna in the same housing
- High Power Radio Interfaces (802.11a/b/g/n) operation
- Integration with QuadraFlex wireless routers and QuadraSphere NMS platform.
- 2x2:2 MIMO Operation
- QoS algorithm to ensure maximum "goodput", or practical throughput
- Up to 300Mbps headline connectivity
- 1x 10/100 Fast Ethernet Port with PoE in
- WPA/AES and WEP security for legacy clients
- WPA-2 AES industry standard security support for backhaul traffic at all times
- Layer 3 architecture with edge intelligence
- Dynamic Frequency Selection (as client)
- Controller-less & Controller-based Environments.

The QuadraEdge ISM integrates with the Earthprint QuadraFlex wireless routers and QuadraSphere NMS to provide an end-to-end solution.

Specifications

<p>Radio Antenna 2 x RP-TNC type connectors, 2T2R</p>	<p>Please note, values differ based on mode, frequency and throughput</p>	<p>Security Authentication: WPA, WPA2, 802.11i</p>
<p>Operating Frequency* 802.11a/n ISM Band: 5.150 ~5.825GHz (DFS client mode) 802.11b/g/n ISM Band: 2.400 ~ 2.484GHz</p>	<p>Interfaces 2x RP-TNC antenna ports 1x 10/100 Fast Ethernet port with PoE in support</p>	<p>RADIUS, 802.1x - Encryption Algorithms: AES, WPA, WPA2, WPAPSK, WPA2PSK, TKIP, WEP, (128 bit AES)</p>
<p>Modulation 802.11b: CCK, DQPSK, DBPSK 802.11a/g: OFDM/DSSS 802.11n: OFDM/DSSS</p>	<p>Package Content Mounting bracket and accessories Hardware Installation and Quick PoE injector</p>	<p>Warranty One (1) year on parts and labour</p>
<p>Output Power* 2.4 GHz: up to 23dBm per chain/26dBm two chains (limited by regulatory requirements) 5 GHz: up to 22dBm per chain/25dBm two chains (limited by regulatory requirements)</p>	<p>Start Guides Power Consumption 48V DC, 10W maximum (Via PoE Injector)</p>	<p>Region Info US version: P/N 2010ISM-US EU version: P/N 2010ISM-EU Canada version: P/N 2010ISM-CAN India version: P/N 2010ISM-IN Rest of the world version: P/N 2010ISM-RW</p>
<p>Receive Sensitivity (two chains typical sensitivity) 802.11b: up to -92dBm @1M 802.11g: up to -95dBm @6M 802.11a: up to -95dBm @6M 802.11an HT20: up to -76dBm 802.11an HT40: up to -73dBm</p>	<p>Networking Multiple intelligent routing options Support for static & dynamic addressing Onboard DHCP Server NAT Masquerading supported Quality of Service (On request) SIP VoIP Support</p>	<p>Optional Accessories Ethernet surge protection LMR 195/LMR400 cable for antenna connectivity Ethernet cable for power and networking</p>



Contact us today with your communications requirements on +1 (541) 999 6861 or email us today at infoprint@earthprinttech.com

The QuadraEdge ISM provides 2.4GHz and 5GHz integrated dual polarized MIMO plate antennas in the same housing