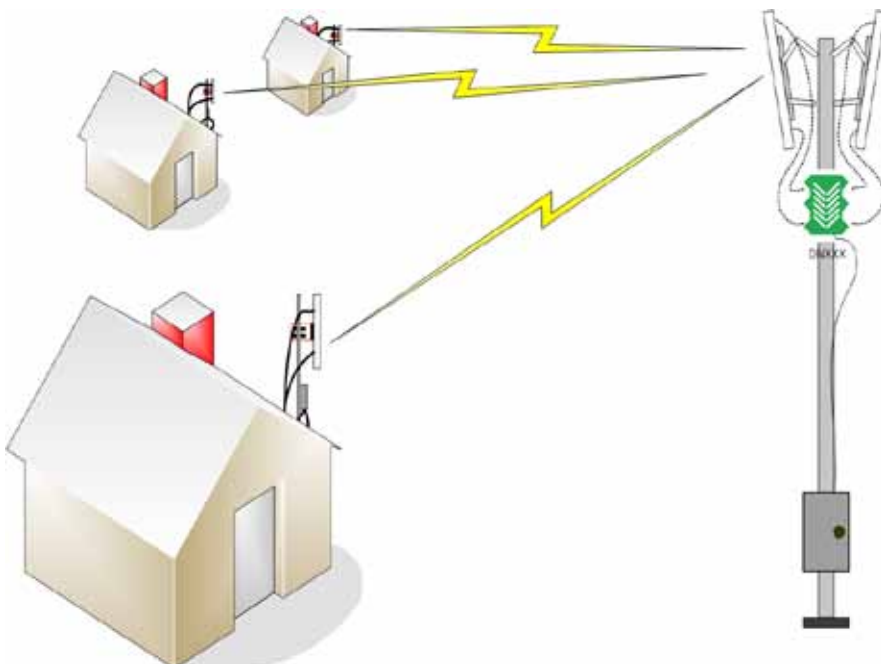


QuadraEdge Intelligent Subscriber Module (ISM)

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 3 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.



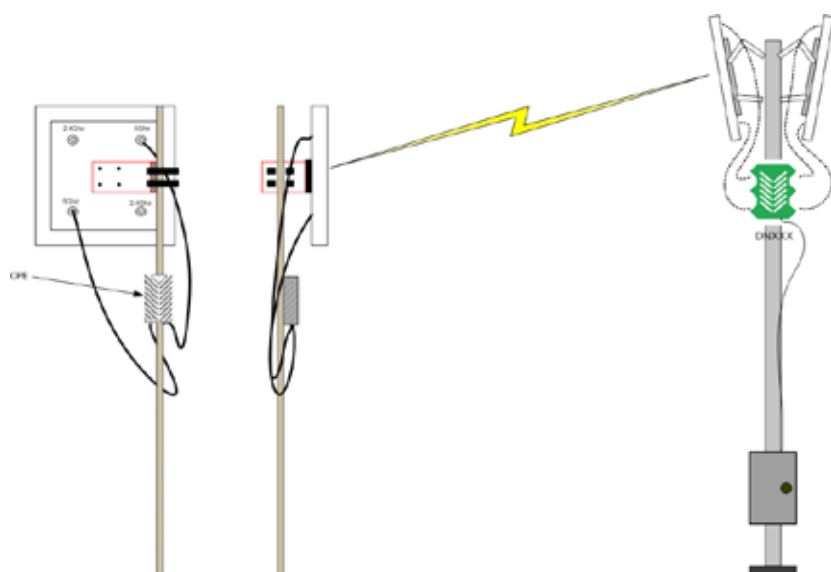
> QUADRAEDGE FEATURES

- Dual band Licence exempt* 2.4GHz and 5GHz operation
- 14dBi 2.4GHz integrated dual polarised MIMO plate antenna, 18dBi 5GHz dual polarised 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
- 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
- Controller-less & Controller-based Environments.

The QuadraEdge ISM integrates with Datasat's 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>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>Modulation 802.11b: CCK, DQPSK, DBPSK 802.11a/g: OFDM/DSSS 802.11n: OFDM/DSSS</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>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</p>	<p>802.11an HT40: up to -73dBm</p> <p>Please note, values differ based on mode, frequency and throughput</p> <p>Interfaces 2x RP-TNC antenna ports 1x 10/100 Fast Ethernet port with PoE in support</p> <p>Package Content Mounting bracket and accessories Hardware Installation and Quick Guide PoE injector Can be supplied with approved antenna</p> <p>Start Guides Power Consumption 48V DC, 10W maximum (Via PoE Injector)</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>Security Authentication: WPA, WPA2, 802.11i RADIUS, 802.1x - Encryption Algorithms: AES, WPA, WPA2, WPAPSK, WPA2PSK, TKIP, WEP, (128 bit AES)</p> <p>Warranty One (1) year on parts and labour</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>Optional Accessories Ethernet surge protection LMR 195/LMR400 cable for antenna connectivity Ethernet cable for power and networking</p>
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Contact us today with your communications requirements on +44 (0)118 934 9199 or email: sales@datasat.com

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