

Access Point Family

This product family of carrier grade base stations consists of three different kinds of products; The Access Point is a base station with integrated wide beam client-access antenna, the Point-to-Point Link is a base station with integrated narrow beam point-to-point link antenna and the Lite Access Point for antenna independent applications. These products are designed for the IEEE 802.11 standard based outdoor Wireless Local Area Networks. Proper antenna technology and reliable base stations are required to allow more efficient usage of the license free frequency band. The base stations are guaranteed to work under demanding environmental conditions.



Features

Outdoor base stations

Outdoor base stations are installed and placed into demanding environments with varying weather conditions. Operators building city-wide networks value things like fast deployment, advanced functionalities, reliability and outdoor proof solutions. With these requirements in mind this new product family have been designed, which includes a selection of new outdoor routers designed to meet the needs of the city-wide networks. The outdoor routers offer functionalities, reliability and features that are needed in the building of the wireless broadband networks.

Technology

Integration of base station and antennas simplifies the installation and use of products in many ways. With two integrated radio units these outdoor base stations offer versatile configuration options to optimize capacity and coverage. Hand-overs between subnets are supported with built-in functionality.

Technical Data

Application area:	Point-to-Point, Point-to-Multipoint, City wide outdoor networks
Radio and modulation type:	IEEE 802.11b (DSSS)
Number of radio units:	2
Frequency bands:	2.400-2.484 GHz
Channels:	13 (ETSI), 11 (US)
Transmit power:	0...13 dBm (adjustable)
Data transfer rates:	1, 2, 5.5, 11 Mbps
Sensitivity:	-91, -89, -87, -85 dBm @ 1...11 Mbps
Integrated antenna:	Access: 10 dBi, 90 ° beamwidth, vertical polarization Link: 14 dBi, 30 ° beamwidth, horizontal polarization Lite: no integrated antenna
Management:	Wireless, ethernet Encrypted (SSH) command-line interface Central web based (HTTPS) via network controller UserID/Password authentication SNMP v2c, MIB II, traps Remote software upgrade
Security:	MAC address based authentication Encrypted (SSH) management RADIUS VPN passthrough
Networking:	Static routing Bridging (802.1d) DHCP server hand-over support Bandwidth management 2 x Ethernet interface
Standards compliance:	802.11b, 802.3, CE, EN 60 950, EN 300 328
Physical specifications:	Base Station Unit: Dimensions (W & H & D) 258mm x 426mm x 131mm, Weight 4 kg Power Supply Unit: Dimensions (W & H & D) 250mm x 300mm x 155mm, Weight 9 kg
Environmental specifications:	10...85% relative humidity (non-condensing), -40 °C to +55 °C
Electrical specifications:	Base Station Unit: Power consumption max. 36 W, 12 VDC Power Supply Unit: max. 80 W, 230 VAC/50 Hz Battery backup operating time: Min. 5 minutes

Contact

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