

**BASE135EA****1 RADIO 5GHZ, 25KM, MIMO 802.11A/N, DUAL POL.2**

Hyperlan multifunction 5 GHz Point-to-Point/Point-to-Multipoint Base station, standard IEEE 802.11a/n MIMO, 10/100 Mbit/s LAN interface, flexible configuration as Bridge, Router, waterproof to IP67.



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MAIN FEATURES

- Hyperlan multifunction 5 GHz Point-to-Point/Point-to-Multipoint Base station, standard IEEE802.11a/n SISO - TDMA
- 1 radio module, 2 N-type connectors for antenna, dual polarization
- Transmission distance of up to 25 km
- 10/100 Mbit/s LAN interface
- Available frequency band: 100 Mb/s max
- OFDM or DSSS radio type with NLOS capability
- Operating modes: Dynamic Mesh, Static WDS Mesh, Bridging, Routing, firewall, QoS
- IP67 ACCESSORIES
- SETM090A - 90° MIMO sector antenna, dual polarization
- SETM120A - 120° MIMO sector antenna, dual polarization
- PAND010A - 10° directional panel antenna, dual polarization
- PARD060A - 6° parabolic antenna, dual polarization
- PARD040A - 4° parabolic antenna, dual polarization
- CAN001A - Antenna cable, length 1 m, N-type connectors
- CAN002A - Antenna cable, length 2 m, N-type connectors
- CAN003A - Antenna cable, length 3 m, N-type connectors
- SAN001A - Gas discharge tube surge arrester, N-type connectors



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MAIN FEATURES

Power consumption (W):	11
Type of power supply:	POE 12÷24VDC (external power supply 110÷230VAC)
Datarate max (802.11n - MBit/s):	300
Wireless security:	Mac-filtering, WEP 64/128bit, WPA/WPA2 aes-ccm/tkip PSK/EAP
Operating frequency (GHz):	4,9 ÷ 5,85
Available bandwidth (Mbit/s):	100
OFDM modulation:	BPSK, QPSK, 16 QAM, 64 QA, TDMA
Maximum transmission power (dBm):	25
Sensitivity @ datarate:	-97dBm@20MHz-MCS0, -77dBm@20MHz MCS7
Channel management:	DFS, auto channel, selection, radar free
Management mode:	Telnet client, SSH, Telnet server
Bridge:	Multiple bridge interfaces, MAC monitored in real time; RSTP
VLAN:	802.1q, multiple VLAN interface, inter VLAN routing
VPN:	IPSEC, EoIP, PPTP, VLAN, L2TP, PPPoE, IPIP
SNMP:	SNMP V1 client, MIB II, Bridge MIB
QoS (p.1):	802.1p, IPToS RFC791, CBQ queuing Layer 4-7 traffic shaping, HTB
QoS (p.2):	QoS system with bursts, PCQ, RED, SFQ, FIFO queue, CIR, MIR
Safety:	Firewall P2P limitation, mac-address L7 filtering, radius server

GENERAL DATA

Height (mm):	260
Width (mm):	200
Depth (mm):	90
Type of finish:	Die-cast aluminum
Operating temperature (°C):	-40 ÷ 70