InfiMAN Evolution E6-BSE

Description	InfiMAN Evolution E6-BSE, 6 GHz base station sector, net throughput up to 800 Mbps, 2x N-type (F) connectors for external antenna
Net throughput	up to 800 Mbps
Recommended distances	40+ km
Radio technology	MIMO 2x2 (OFDM 64/128)
Modulation coding schemes	from BPSK 1/2 to QAM256 5/6
Transmit power	up to 25 dBm
Receiver sensitivity	down to -92 dBm
Frequency range	6050-6425 MHz
Channel width	20, 40, 80 MHz
Center frequency adjustment step	1 MHz
Duplex scheme	TDD
Wired Interfaces	1x GigabitEthernet, SFP, SYNC

![INFINET wireless]

InfiMAN Evolution **E6-BSE**

Consumption	up to 20 W
Power options	90-240 VAC ~ @ 50/60 Hz, ±43..56 VDC
Outdoor Unit (ODU)	240 x 248 x 87 mm, 2.2 kg
Part Number Example	E6-BSE
Packing List	– Outdoor unit E6-BSE - 1 pcs. – Power Supply IDU-CPE-G(24W) - 1 pcs. – Power Cord - 1 pcs. – Cable Gland for RJ-45 - 2 pcs. – Cable Gland for optical cable - 1 pcs. – Standard RJ-45 connector - 1 pcs. – Shielded RJ-45 connector - 1 pcs. – RJ-45 Plug Cap - 1 pcs. – MONT-KIT-85 Mounting kit - 1 pcs. – Quick Start Guide - 1 pcs.

![INFINET wireless]

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InfiMAN Evolution E6-BSE

Features

RADIO

▸ **Voice/RTP Aware Superpacketing**

▸ **DFS**

▸ **Automatic Bitrate Control**

▸ **Automatic Transmit Power Control**

▸ **Automatic Distance Learning**

▸ **Channel Time Adjustment**

▸ **Spectrum Analyzer mode**

▸ **Channel testing tools**

NETWORKING

▸ **Ethernet-over-IP and IP-over-IP tunneling**

▸ **ARP protocol support**

▸ **MAC/IP filtering**

▸ **Full-fledged 2nd layer switch**

▸ **RIPv2 / OSPFv2 /static routing**

▸ **L2/L3 Firewall**

▸ **NAT (multipool, H.323-aware)**

▸ **DHCP client/server/relay**

MANAGEMENT FEATURES

▸ **Various Management Protocols: HTTP, HTTPS, SSH, Telnet, SNMP v1/2c/3 (MIB-II and proprietary MIBs)**

▸ **Graphical User Interface**

▸ **LED Indication: power status, wireless and wired link status, signal level**

▸ **Antenna alignment tool**

▸ **Automatic software update**

▸ **Online monitoring with proprietary EMS InfiMONITOR.**

QUALITY-OF-SERVICE

▸ **17 priority queues**

▸ **IEEE 802.1p support**

▸ **IP TOS / DiffServ support**

▸ **Full voice support**

▸ **Traffic limiting (absolute, relative, mixed)**

▸ **Traffic redirection**

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Features

ENVIRONMENTAL

▸ **Outdoor Units:**
— operating temperature range -40..+60 °C, (can be extended to -55..+60 °C, models with "t" index in PN), 100% humidity, condensing
— IP66/IP67 compliant water and dust protection
— wind load: 200 kph, survival

▸ **Indoor Unit:**
— 0..+40 °C, 95% humidity, non-condensing

SECURITY FEATURES

▸ **Storm/flood protection**

▸ **Password protection**

▸ **Secure command-line access via SSH protocol**

MAC

▸ **Adaptive TDMA air protocol:**
— Dynamic and fixed air frame duration
— Subscriber activity aware scheduling
— Permanent channel testing

▸ **Pseudo-radio interface:**
— unique InfiNet Wireless feature to join InfiNet networks via 3rd party equipment

▸ **Automatic over-the-air firmware upgrade**

STANDARD COMPLIANCE

▸ **Radio**
— ETSI EN 301 893 v.2.1.1
— ETSI EN 302 502 v.2.1.3
— FCC Part 15.407

▸ **EMC**
— ETSI EN 301 489-1 v.2.2.3
— ETSI EN 301 489-17v.3.2.4
— FCC Part 15 Class B

▸ **Safety**
— EN 62368-1:2014+A11:2017
— EN60950-22:2017
— EN62311:2008

▸ **RoHS (pending)**
— EN IEC 63000:2018