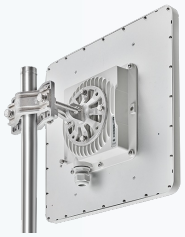
InfiMAN Evolution E6-ST25

Description	InfiMAN Evolution E6-ST25, 6 GHz subscriber terminal, net throughput up to 670 Mbps, integrated dual-pol antenna, 25 dBi, 8x8 deg
Net throughput	up to 670 Mbps
Recommended distances	up to 15 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 -91 dBm
Frequency range	4900-6425 MHz
Channel width	20, 40, 80 MHz
Center frequency adjustment step	125 kHz
Duplex scheme	TDD
Antenna	25 dBi
Wired Interfaces	1x GigabitEthernet (RJ45)

Infinet Wireless
sales@infinetwireless.com
www.infinetwireless.com

PRODUCT DATASHEET

InfiMAN Evolution E6-ST25

Consumption	up to 15 W
Power options	90-240 VAC ~ @ 50/60 Hz, ±43..56 VDC
Outdoor Unit (ODU)	350x350x71,5 mm, 2.3 kg
	

Part Number Options

Prefix	Freq. Band	Ant.	Capacity
E	*6*	*25*	*20* *50* *670*

Part Number Example	E6-ST25/07000|50
Packing List	– Outdoor unit E6-ST25 - 1 pcs. – Power Supply IDU-CPE-G(24W) - 1 pcs. – Power Cord - 1 pcs. – Cable Gland - 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
sales@infinetwireless.com
www.infinetwireless.com

PRODUCT DATASHEET

InfiMAN Evolution E6-ST25

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

Infinet Wireless
sales@infinetwireless.com
www.infinetwireless.com

PRODUCT DATASHEET

InfiMAN Evolution E6-ST25

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**

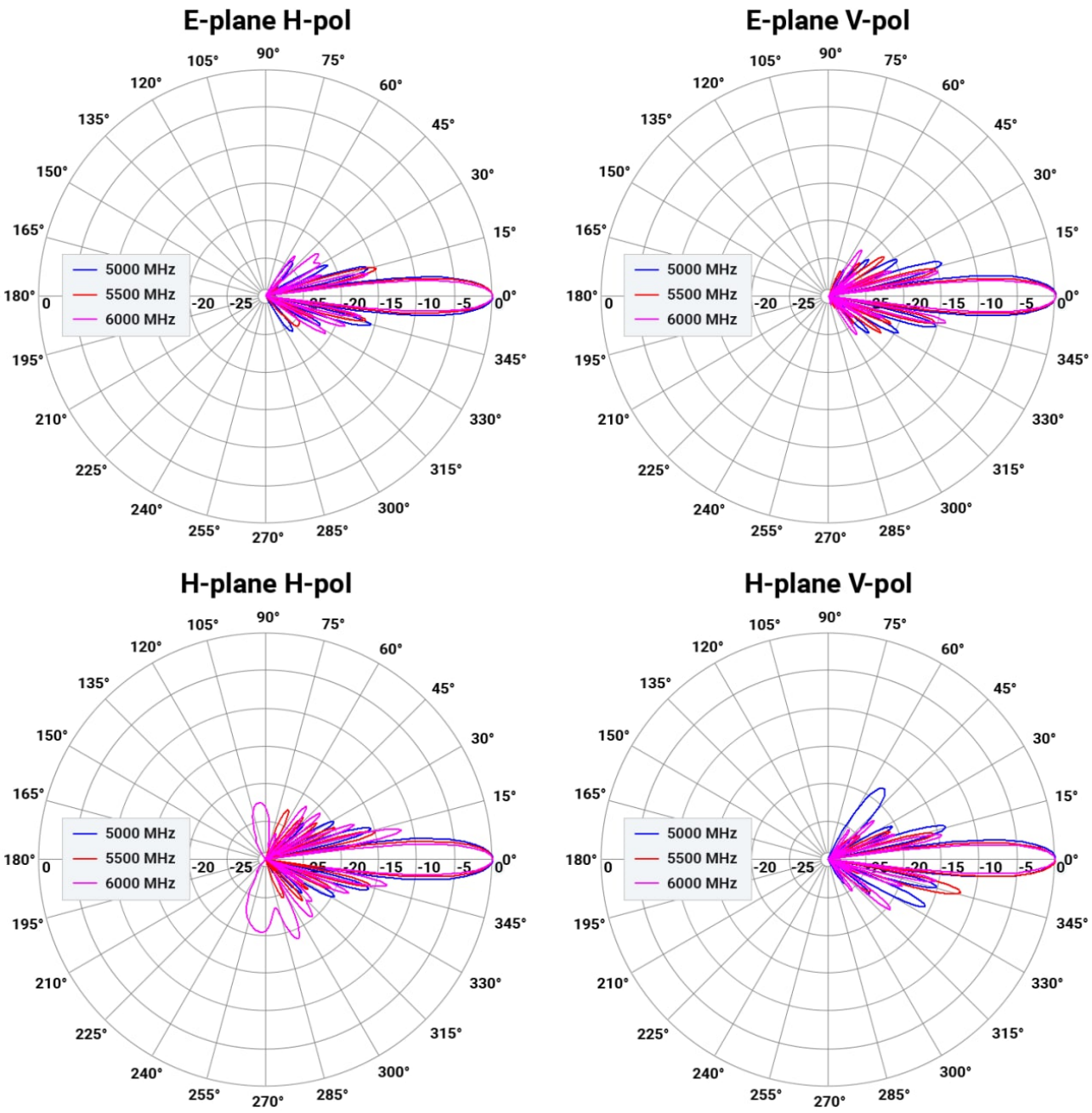
STANDARD COMPLIANCE

- **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 301 489-17 v.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

Infinet Wireless
sales@infinetwireless.com
www.infinetwireless.com

InfiMAN Evolution E6-ST25

Radiation diagram



Infinet Wireless
sales@infinetwireless.com
www.infinetwireless.com