# InfiLINK Evolution E5-ST25

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|---|---|
| Description | InfiLINK Evolution E5-ST25, 5 GHz point-to-point unit, net throughput up to 670 Mbps, integrated dual-pol antenna, 25 dBi, 8x8 deg |
| Net throughput | up to 670 Mbps |
| Recommended distances | up to 25 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 -90 dBm |
| Frequency range | 4900-6050 MHz |
| Channel width | 20, 40, 80 MHz |
| Center frequency adjustment step | 125 kHz |
| Duplex scheme | TDD |
| Antenna | 25 dBi |
| Wired Interfaces | 1x GigabitEthernet (RJ45) |

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|---|---|
| **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 |

| | Prefix | Freq. Band | Ant. | Capacity |
|---|---|---|---|---|
| **Part Number Options** | E | 5 | 25 | 20 50 670 |

| | |
|---|---|
| **Part Number Example** | E5-ST25/06500\|50 |
| **Packing List** | – Outdoor unit E5-ST25 - 1 pcs.<br>– Power Supply IDU-CPE-G(24W) - 1 pcs.<br>– Power Cord - 1 pcs.<br>– Cable Gland - 1 pcs.<br>– Standard RJ-45 connector - 1 pcs.<br>– Shielded RJ-45 connector - 1 pcs.<br>– RJ-45 Plug Cap - 1 pcs.<br>– MONT-KIT-85 Mounting kit - 1 pcs.<br>– Quick Start Guide - 1 pcs. |

## INFINET wireless

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## Features

### RADIO

- Voice/RTP Aware Superpacketing
- DFS
- Automatic Bitrate Control
- Automatic Transmit Power Control
- 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

▸ **ARP support**

▸ **Proactive 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

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## Radiation diagram

### E-plane H-pol



### E-plane V-pol



### H-plane H-pol



### H-plane V-pol