Title

Hardware Platform

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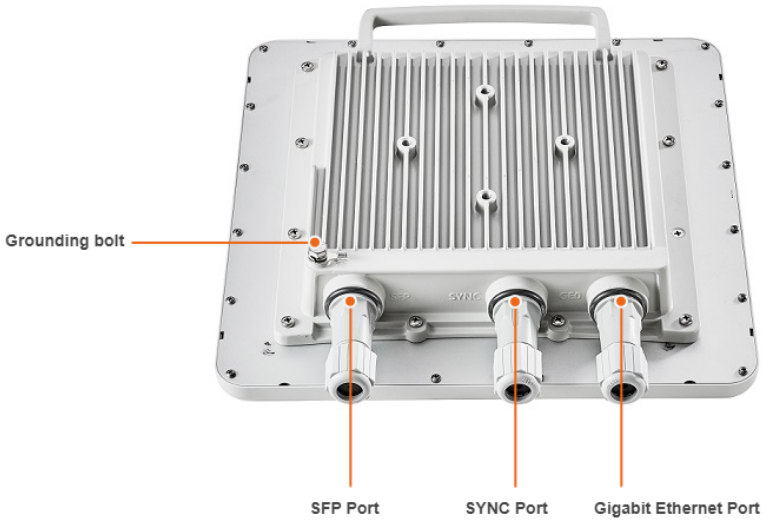
Wireless device

The wireless device contains both the radio and networking electronics. Implemented in a robust all-weather metal enclosure, this equipment can be used to create point-to-point and point-to-multipoint wireless links at long distances. The wireless device is supplied in the following configurations:

Base Station Sectors

- with integrated antenna 16 dBi (E5-BSI, E6-BSI);
- with integrated antenna 21 dBi (E5-BSQ);
- with two N-type ports for an external antenna (E5-BSE, E6-BSE).



Base Station Sectors Interfaces

Base station sectors have ports:

- 1x Gigabit Ethernet port (10/100/1000 BaseT), RJ45 connector: Data + Power.
- 1x SFP port: Data.
- 1x SYNC port for AUXODUSYNC connection.

Interface	Description
Gigabit Ethernet	RJ-45 socket for connecting to power supply and data transmission. The network connection to the wireless device is made via a 1000Base-T (Gigabit) Ethernet connection. Power is provided to the device over the 1000Base-T Ethernet connection using a standard IEEE 802.3at passive PoE power supply.
SFP	External optical Gigabit port for plugging of the optical SFP transceiver module.
SYNC	RJ-45 socket for connecting to synchronization unit AUXODUSYNC.

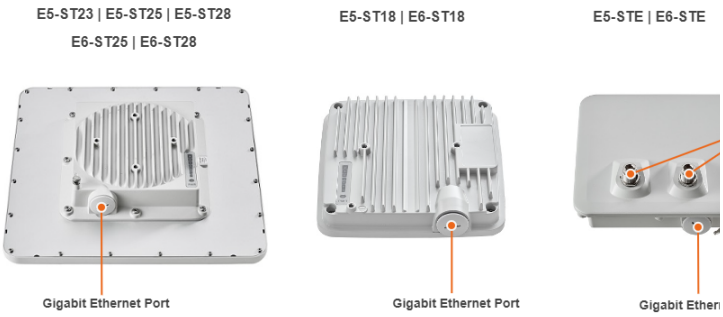
LEDs

> **NOTE**
>
> Power and wired statuses indication is performed via glassy plug of the cable gland.

LED	State	Status	Description
Gigabit Ethernet **SFP**	Flash	Initialization	The LEDs on both ports light up with white on second. Then LEDs check is performed: red, blue, green are lightened up sequentially.
	Flash	Loading	Only for Gigabit Ethernet port: at the beginning green is lightened a few seconds, on the second loading stage switches to blue.
	ON/Blue	Power	Only for Gigabit Ethernet port.
	ON/Red	Speed 10 Mbps	Only for Gigabit Ethernet port.
	ON /Yellow	Speed 100 Mbps	Only for Gigabit Ethernet port.
	ON /Green	Speed 1000 Mbps	
	ON /Green	ERConsole stage	Port with the established link lights up with green, the second port remains blue.

Subscriber Terminals and point-to-point devices

- with integrated antenna 18 dBi;
- with integrated antenna 23 dBi;
- with integrated antenna 25 dBi;
- with integrated antenna 28 dBi;
- with two N-type ports for an external antenna.



Subscriber Terminals and PTP devices Interfaces

RJ-45 socket for connecting to power supply and network via the PoE power supply. The network connection to the ODU is made via a 1000Base-T (Gigabit) Ethernet connection. Power is provided to the ODU over the 1000Base-T Ethernet connection using a standard IEEE 802.3at passive PoE power supply.

LED Panel

PWR - power indicators will light red when the device is connected to a power source, yellow when 10/100 Mbps wired connection appears and green when 1000 Mbps wired connection appears. Other indicators are used to perform coarse antenna alignment. The more indicators are on, the better wireless connection is established. The blinking indicator means an intermediate state. The more often the indicator blinks the higher level connection is established.

Part number description

InfiLINK Evolution / **InfiMAN Evolution** part number has the following structure

Structure items are described below

Item	Description
1	Product family name: • **E** - InfiLINK Evolution / InfiMAN Evolution.

2	Frequency range:
	• **5** - device in the range of 5 GHz.
	• **6**
	  ◦ base station sector in the range of 6 GHz .
	  ◦ subscriber terminal in the ranges of 5 and 6 GHz.

3	• **BS** - base station sector. • **ST** - subscriber terminal or PTP device.

4	Antenna gain. Base Station Sectors: • **I** - integrated antenna with 16 dBi gain; • **Q** - integrated antenna with 21 dBi gain; • **E** - devices for an external antenna connection. Subscriber Terminals and PTP devices: • **18** - integrated antenna with 18 dBi gain; • **23** - integrated antenna with 23 dBi gain; • **25** - integrated antenna with 25 dBi gain; • **28** - integrated antenna with 28 dBi gain; • **E** - devices for an external antenna connection.

5	Additional options:
	
	• **t** - extended temperature range: -55 ... +60 ºC.
	• **c**- subscriber terminal for PtMP topology (cannot be a "master").
	• **d** - device modified for InfiDRIVE system.
	• **L** - Base Btation Sectors lite version with limited functionality:
	  • Throughput: up to 360 Mbps.
	  • Channel width: 20, 40 MHz.
	  • Maximum number of simultaneous subscribers supported: 10.