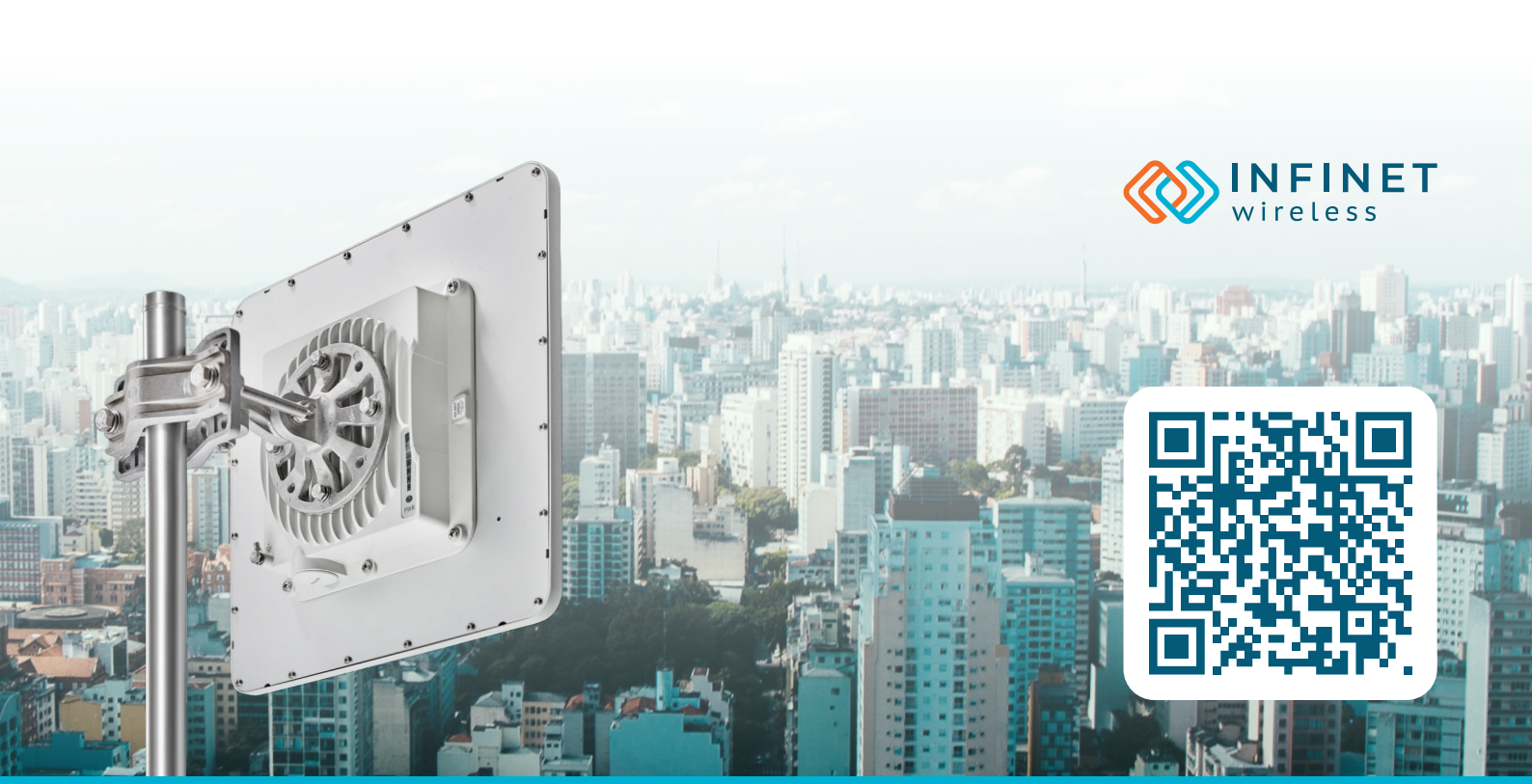


InfiLINK Evolution

Point-to-Point system for last-mile access with a built-in firewall, router and security features.

InfiLINK Evolution offers a unique combination of high performance, availability and ease of installation. Throughput now can reach up to 670 Mbps, and the system works at distances of over 100 km.

5+6 GHz

670 Mbps

InfiLINK Evolution is a wireless Point-to-Point solution operating in 4.9–6.4 GHz frequency bands.

The built-in network firewall blocks suspicious traffic and ensures secure connectivity. To be optimally integrated into existing networks, InfiLINK Evolution supports numerous network protocols including dynamic routing OSPF and RIP, network address translation NAT and Q-in-Q Vlans.

There are tools for smart traffic prioritization and shaping, which provide high-quality services to customers.

A rich portfolio of integrated antenna models allows the deployment of these systems at distances in excess of 30 kilometers, whereas a connectorized version is able to work at distances of over 100 km.

Applications

- High-capacity last mile access infrastructure
- Long-range rural connectivity
- Backhauling for Wi Fi in public areas and parks
- Municipal networks
- Video surveillance, traffic management and public safety wireless infrastructure

Top Facts

Robustness
Expanded modulation coding schemes range for the highest possible performance in a high interference environment

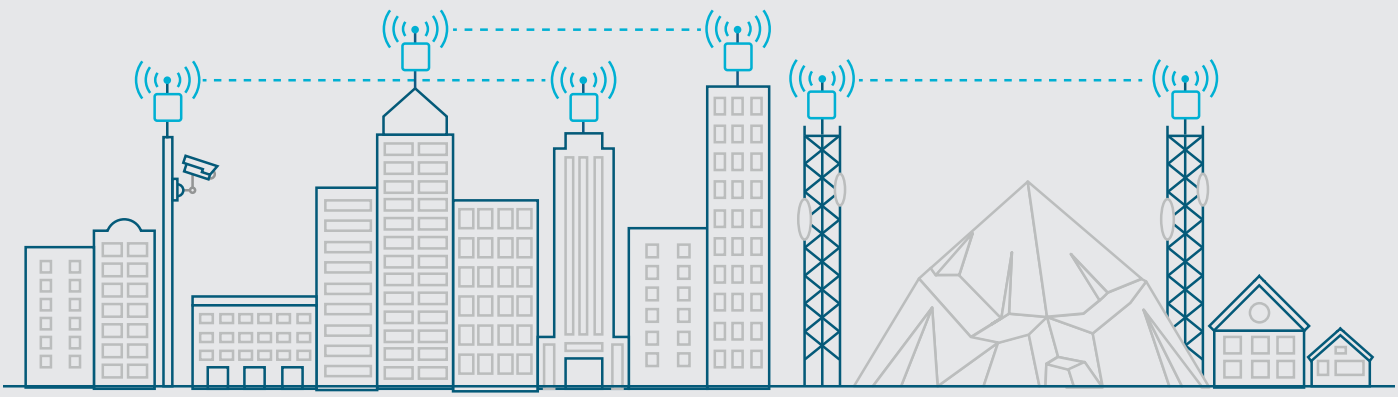
Double frequency band
One device can be used in both 5 GHz and 6 GHz bands

Groundbreaking performance
InfiLINK Evolution delivers impressive wireless throughput of up to 670 Mbps in 80 MHz

Security
Thanks to a built-in firewall and rich security features, traffic security is under your full control

Product Highlights

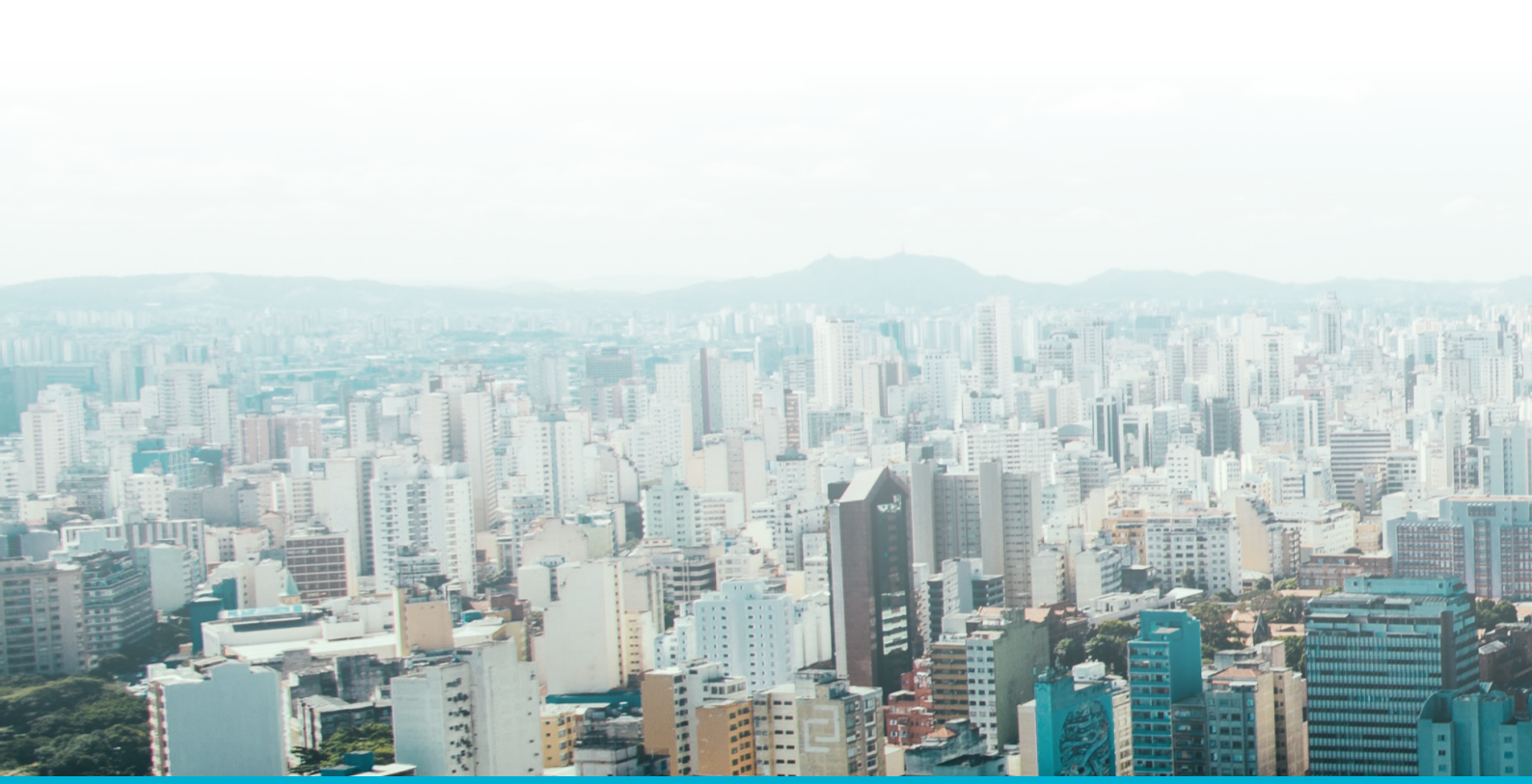
- Single system covering multiple bands in 5 GHz and 6 GHz
- Fully fledged L2 switch supporting VLAN, Q-in-Q, Spanning Tree Protocols
- Static and dynamic (RIP, OSPF) IP routing
- Advanced Quality-of-Service (QoS) and networking feature set
- Reliable and robust design



Technical Specifications

Performance	
Throughput	Up to 650 Mbps, net aggregate
Radio Technology	
Technology	MIMO 2x2 with OFDM 64/128
Modulation coding schemes	9 MCS – from BPSK 1/2 to QAM256 5/6
Frequency range	E5 models: 4900 – 6050 MHz E6 models: 4900 – 6425 MHz
Channel width	5*, 10*, 20, 40, 80 MHz
Center frequency adjustment step	125 kHz
Transmit power	Up to 25 dBm
Receiver sensitivity	Down to -91 dBm
Duplex scheme	TDD
Antenna	Integrated dual polarization flat panel 18, 23, 25, 28 dBi Connectorized: 2x N-type connectors for external dual-polarization antenna
Maximal range	More than 100 km for high gain external antenna
Air Protocol	
Air frame	Configurable from 2 to 10 ms
Automatic modulation control	Supported
Automatic ranging	Supported
Wired Interfaces	
Ethernet	1x GigabitEthernet port (RJ45)
PoE	802.3at or Infinet Wireless proprietary passive PoE
Networking	
MAC/IP filtering	Supported
NAT	Multipool, H.323-aware
VLAN	802.1ad (DVLAN Q-in-Q), 802.1Q
Tunneling	Ethernet-over-IP, IP-over-IP
QoS	
Queues	17 queues
Packet classification	802.1p, IP TOS / DiffServ support
Traffic limiting	Absolute, relative, mixed
Management and Installation	
LED indication	Power status, link status and RSSI indication
Management protocols	HTTP, HTTPS, SSH, SNMP, Telnet
Web GUI tools	Antenna alignment tool, Spectrum analyzer
Physical	
Operating temperature range	From -40°C to +60°C, can be extended to -55°C ... +60°C***
Dust and water protection	IP66, IP67
Wind load	160 km/h, operational; 200 km/h, survival
Power supply	IDU-CPE-G(24W), IDU-CPE-G (56W), IDU-LA-G(V.01), AUX-ODU-INJ-G
Power consumption	Up to 15 W
Compliance	
Safety	EN 62368-1:2014+A11:2017, EN60950-22:2017, EN 62311:2008
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
RoHS3	EN IEC 63000:2018**
Lightning protection	IEC 61000-4-2: +/-4kV (contact discharge), +/-8kV (air discharge); IEC 61000-4-4: +/-0.5kV; IEC 61000-4-5: +/-1kV (line-to-ground), +/-0.5kV (line-to-line)

* Roadmap item
** Pending
*** Models with “t“ index in PN



Contact Us

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www.Infinetwireless.com

Infinet Wireless provides its customers with carrier-grade wireless solutions through a global network of highly qualified channel partners

Model Configuration

	E5-ST18 E6-ST18	E5-ST23	E5-ST25 E6-ST25	E5-ST28 E6-ST28	E5-STE E6-STE
					
5 GHz	4900–6050 MHz	4900–6050 MHz	4900–6050 MHz	4900–6050 MHz	4900–6050 MHz
6 GHz	4900–6425 MHz	4900–6425 MHz	4900–6425 MHz	4900–6425 MHz	4900–6425 MHz
Antenna	18 dBi 18x18 deg	23 dBi 10x10 deg	25 dBi 8x8 deg	28 dBi 5x5 deg	2xN-type connectors
Size and weight	188x188x45 mm 1.3 kg	305x305x66 mm 1.75 kg	350x350x71.5 mm 2.3 kg	600x600x68 mm 5.8 kg	180x190x86 mm 1.2 kg