INFINET wireless

Vector 5 Q5-E

Description	Quanta 5 Q5-E, 5 GHz point-to-point unit, net throughput up to 460 Mbps, 2x N-type (F) connectors for external antenna
Net throughput	up to 460 Mbps
Recommended distances	up to 40+ km
Radio technology	SC-FDE
Modulation coding schemes	from QPSK 1/4 to QAM256 7/8
Transmit power	up to 27 dBm
Receiver sensitivity	down to -95 dBm
Frequency range	4900-6000 MHz
Channel width	3.5, 5, 7, 10, 14, 15, 20, 28, 30, 40 MHz
Center frequency adjustment step	1 MHz
Duplex scheme	TDD
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)	180 x 190 x 86 mm, 1.2 kg

Part Number Options	Prefix	Freq. Band	Bitrate	Output Power	Ant.	Capacity
	R5000-Smn	5X	365	2x300	2x19	(пусто)

Part Number Example	Q5-E
Packing List	— Outdoor unit Q5-E - 1 pcs. — Power Supply IDU-CPE-G - 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.

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Features

RADIO

▶ **DFS**
— ETSI/FCC, including radar detection (including off-channel CAC) and adaptivity

▶ **Instant DFS**
— background spectrum monitoring by both Master and Slave terminal units
— seamless channel change

▶ **Automatic Bitrate Control**

▶ **Automatic Transmit Power Control**

▶ **Channel Time Adjustment**

NETWORKING

▶ **Built-in full-fledged L2 switch supporting**

▶ **Transparent L2 transport for Ethernet traffic of any type**

MANAGEMENT FEATURES

▶ **Various Management Protocols: HTTP, SSH, 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

▶ **8 priority queues**

▶ **IEEE 802.1p support**

▶ **IP DiffServ support**

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Features

ENVIRONMENTAL

▶ Outdoor Units: -40..+60C, 100% humidity, condensing

▶ Indoor Unit: 0..+40C, 95% humidity, non-condensing

SECURITY FEATURES

▶ Storm/flood protection

▶ Password protection

▶ Secure command-line access via SSH protocol

MAC

▶ VLAN, Q-in-Q

▶ IGMP snooping, querrier

▶ IEEE1588 v2 Transparent clock

STANDARD COMPLIANCE

▶ **Safety:**
— EN/IEC 62368-1:2014, UL 62368-1:2014 (pending)

▶ **Radio:**
— EN 301 893 v.1.8.1 (pending), EN 302 502, v.1.2.1 (pending), FCC part 15.247

▶ **EMC:**
— ETSI EN 301 489-1 (pending), ETSI EN 301 489-17 (pending), FCC Part 15 Class B

▶ **RoHS:**
— RoHS3 Directive 2015/863/EU (pending)