Quanta 5 Q5-E

Description	Quanta 5 Q5-E, 5 GHz point-to-point unit, net throughput up to 650 Mbps, 2x N-type (F) connectors for external antenna
Net throughput	up to 650 Mbps
Recommended distances	200+ km
Radio technology	MIMO 2x2 (SC-FDE)
Modulation coding schemes	from QPSK 1/4 to QAM256 7/8
Transmit power	up to 27 dBm
Receiver sensitivity	down to -101 dBm
Frequency range	4900-6000 MHz
Channel width	3.5, 5, 7, 10, 14, 15, 20, 28, 30, 40, 50, 56 MHz
Center frequency adjustment step	1 MHz
Duplex scheme	TDD
Wired Interfaces	1x Combo port GigabitEthernet/SFP

Quanta 5 Q5-E

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 Example	Q5-E/08602
Packing List	– Outdoor unit Q5-E - 1 pcs. – Power Supply IDU-CPE-G(24W) - 1 pcs. – Power Cord - 1 pcs. – Cable Gland INFINET-GLAND-V1 - 1 pcs. – Cable Gland INFINET-GLAND-V2 - 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, HTTPS, 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

▸ **8 priority queues**

▸ **IEEE 802.1p support**

▸ **IP DiffServ support**

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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

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

SECURITY FEATURES

▶ **Storm/flood protection**

▶ **Password protection**

▶ **Secure command-line access via SSH protocol**

MAC

▶ **VLAN, 802.1ad DVLAN Q-in-Q (pending), 802.1Q (pending)**

STANDARD COMPLIANCE

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

▶ **Radio:**
— EN 301 893 v.2.1.1, EN 302 502, v.2.1.1, FCC part 15.407

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

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

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