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	from -10 to 27 dBm*, step 1 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

*May be limited by regional EIRP restrictions

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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 Example	Q5-E
Packing List	– Outdoor unit Q5-E - 1 pcs. – Power Supply IDU-CPE-G(24W) - 1 pcs. – Power Cord - 1 pcs. – Cable Gland V1 - 1 pcs. – Cable 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 o -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 tra ic

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 NEXT

QUALITY-OF-SERVICE

- 8 priority queues

- IEEE 802.1p support

- IP Di Serv 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 802.1q

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)