

Quanta 5 Q5-23

Description	Quanta 5 Q5-23, 5 GHz point-to-point unit, net throughput up to 650 Mbps, integrated dual-pol antenna, 23 dBi, 10x10 deg
Net throughput	up to 650 Mbps
Recommended distances	up to 40 km
Radio technology	MIMO2x2 (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, Hybrid-FDD
Antenna	23 dBi
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)	305 x 305 x 66 mm, 1.75 kg
Part Number Example	Q5-23
Packing List	<ul style="list-style-type: none"> – Outdoor unit Q5-23 - 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-HIT-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

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 DiffServ support

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Features

ENVIRONMENTAL

- ▶ Outdoor Units:
 - operating temperature range $-40..+60^{\circ}\text{C}$,
(can be extended to $-55..+60^{\circ}\text{C}$, models with "t"
index in PN), 100% humidity, condensing
 - IP66/IP67 compliant water and dust protection
- ▶ Indoor Unit: $0..+40^{\circ}\text{C}$, 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)

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Radiation diagram

