



Quanta 5 Q5-25

Description	Quanta 5 Q5-25, 5 GHz point-to-point unit, net throughput up to 650 Mbps, integrated dual-pol antenna, 25 dBi, 8x8 deg
Net throughput	up to 650 Mbps
Recommended distances	up to 60 km
Radio technology	MIMO 2x2 (SC-FDE)
Modulation coding schemes	from QPSH 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	25 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, +-4356 VDC
Outdoor Unit (ODU)	350 x 350 x 71.5 mm, 2.3 kg
Part Number Example	Q5-25
Packing List	 Outdoor unit Q5-25 - 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.







PRODUCT DATASHEET

Quanta 5 Q5-25

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 °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)

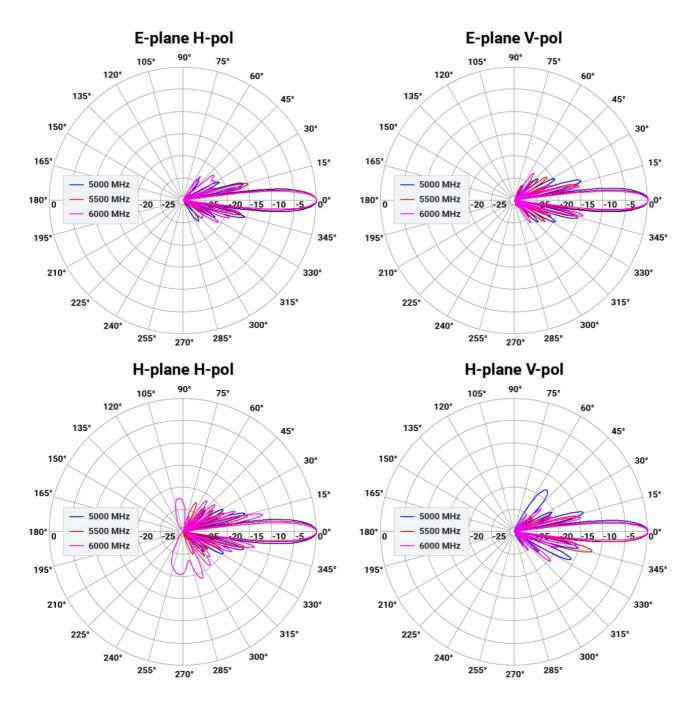




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Radiation diagram





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