



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	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
Antenna	23 dBi
Wired Interfaces	1x Combo port GigabitEthernet/SFP



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Consumption	up to 15 W
Power options	90-240 VAC ~ @ 50/60 Hz, ±4356 VDC
Outdoor Unit (ODU)	305 x 305 x 66 mm, 1.75 kg
Part Number Example	Q5-23/08302
Packing List	 Outdoor unit Q5-23 - 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.



PRODUCT DATASHEET

Quanta 5 Q5-23

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





PRODUCT DATASHEET

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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)

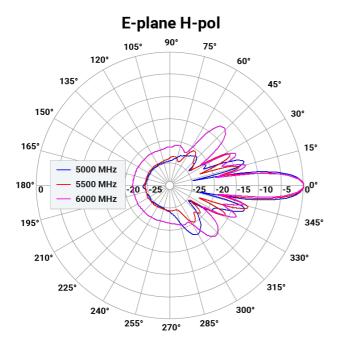
STANDARD COMPLIANCE

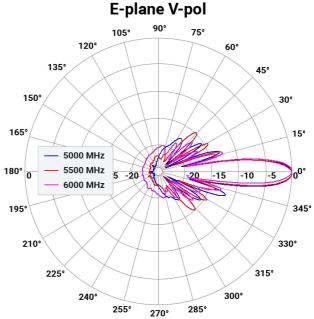
- Safety:
 - EN/IEC 62368-1:2014, UL 62368-1:2014
- Radio:
 - EN 301 893 v.2.1.1, EN 302 502, v.2.1.1, FCC part 15.407
- ▶ EMC:
 - ETSI EN 301 489-1, ETSI EN 301 489-17, FCC Part 15 Class B
- RoHS:
 - RoHS3 Directive 2015/863/EU (pending)



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Radiation diagram





H-plane H-pol 105° 75° 120° 60° 135° 45° 150° 30° 165 15° 5000 MHz 5500 MHz 180° -<u>2</u>0 -15 -10 -5 345° 195° 210° 330° 225° 315° 300° 255° 285° 270°

