

Quanta 6 Q6-25

Description	Quanta 6 Q6-25, 6 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 QPSK 1/4 to QAM256 7/8
Transmit power	up to 27 dBm
Receiver sensitivity	down to -101 dBm
Frequency range	6000-6425 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	25 dBi
Wired Interfaces	1x Combo port GigabitEthernet/SFP



2023 Infinet Wireless. All rights reserved.





PRODUCT DATASHEET

Quanta 6 Q6-25

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	Q6-25/08702
Packing List	 Outdoor unit Q6-25 - 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.



2023 Infinet Wireless. All rights reserved.





PRODUCT DATASHEET

Quanta 6 Q6-25

Features

RADIO

- DFS
 - ETSI/FCC, including radar detection (including off-channel CAC) and adaptivity
- 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 802.1 p support
- IP DiffServ support





PRODUCT DATASHEET

Quanta 6 Q6-25

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 62368-1:2018 (pending), EN/IEC 62311:2019 (pending)
- Radio:
 - ETSI EN 302 217-1/-2 (pending)
- EMC:
 - ETSI EN 301 489-1/-4 (pending), FCC Part 15.407 (pending)
- RoHS:
 - RoHS3 EN IEC 63000:2018 (pending)

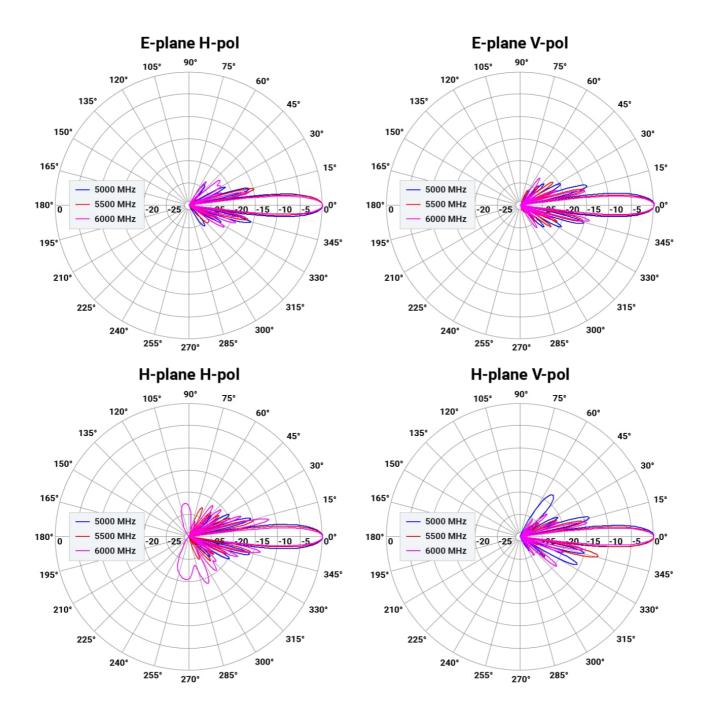






Quanta 6 Q6-25

Radiation diagram





Infinet Wireless sales@infinetwireless.com www.infinetwireless.com

2023 Infinet Wireless. All rights reserved.