

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	from -10 to 27 dBm*, step 1 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

*May be limited by regional EIRP restrictions

Quanta 6 **Q6-25**

Consumption	up to 15 W
Power options	90-240 VAC ~ @ 50/60 Hz, +-43.56 VDC
Outdoor Unit (ODU)	350 x 350 x 71.5 mm, 2.3 kg
Part Number Example Q6-25	
Packing List	<ul style="list-style-type: none"> - Outdoor unit Q6-25 - 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-KIT-85 Mounting kit - 1 pcs. - Quick Start Guide - 1 pcs.



Quanta 6 Q6-25

Features

RADIO

- ▶ DFS
 - ETSI/FCC, including radar detection (including co-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

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 Diff-Serv support

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 802.1q

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)

Quanta 6 Q6-25

Radiation diagram

