


Quanta 70 Q70-50

Description	Quanta 70 Q70-50, 70 GHz point-to-point unit, net throughput up to 480 Mbps, integrated dual-pol antenna, 50 dBi, 0,5x0,5 deg
Net throughput	up to 480 Mbps
Recommended distances	up to 20 km
Radio technology	SC-FDE
Modulation coding schemes	from BPSK 1/4 to QAM64 5/6
Transmit power	up to 11 dBm
Receiver sensitivity	down to -86 dBm
Frequency range	70500-76000 MHz
Channel width	125 MHz
Center frequency adjustment step	125 MHz
Duplex scheme	TDD
Antenna	50 dBi
Wired Interfaces	1x Combo port GigabitEthernet/SFP



Quanta 70 Q70-50

Consumption	up to 15 W
Power options	90-240 VAC ~ @ 50/60 Hz, ±43..56 VDC
Outdoor Unit (ODU)	Ø 655 x 430 mm, 13,2 kg
	
Part Number Example	Q70-50/05500
Packing List	<ul style="list-style-type: none"> - Outdoor unit Q70-50 - 1 pcs. - Power Supply IDU-CPE-G(24W) - 1 pcs. - Power Cord - 1 pcs. - Cable Gland for RJ-45 - 1 pcs. - Cable Gland for optical cable - 1 pcs. - Standard RJ-45 connector - 1 pcs. - Shielded RJ-45 connector - 1 pcs. - RJ-45 Plug Cap - 1 pcs. - Mounting kit assembled - 1 pcs. - Bolt M8x165 - 4 pcs.: Bolt M8x50 - 2 pcs. - Washer 8 DIN 125 - 6 pcs. - Washer 8 DIN 127 - 6 pcs. - Nut M8 - 6 pcs. - Bracer - 2 pcs. - Quick Start Guide - 1 pcs.



Quanta 70 Q70-50

Features

RADIO

- ▶ 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, RSSI value indication
- ▶ 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



Quanta 70 Q70-50

Features

ENVIRONMENTAL

- ▶ **Outdoor Units:**
 - operating temperature range $-40..+60$ °C, 100% humidity, condensing
 - IP66/IP67 compliant water and dust protection
- ▶ **Indoor Unit: $0..+40$ °C, 95% humidity, non-condensing**

SECURITY FEATURES

- ▶ **Password protection**
- ▶ **Secure command-line access via SSH protocol**

MAC

- ▶ **VLAN, 802.1ad DVLAN Q-in-Q**

STANDARD COMPLIANCE

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

