


## 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   |



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|                     |  |
|---------------------|--|
| 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"> <li>- Outdoor unit Q70-50 - 1 pcs.</li> <li>- Power Supply IDU-CPE-G(24W) - 1 pcs.</li> <li>- Power Cord - 1 pcs.</li> <li>- Cable Gland for RJ-45 - 1 pcs.</li> <li>- Cable Gland for optical cable - 1 pcs.</li> <li>- Standard RJ-45 connector - 1 pcs.</li> <li>- Shielded RJ-45 connector - 1 pcs.</li> <li>- RJ-45 Plug Cap - 1 pcs.</li> <li>- Mounting kit assembled - 1 pcs.</li> <li>- Bolt M8x165 - 4 pcs.: Bolt M8x50 - 2 pcs.</li> <li>- Washer 8 DIN 125 - 6 pcs.</li> <li>- Washer 8 DIN 127 - 6 pcs.</li> <li>- Nut M8 - 6 pcs.</li> <li>- Bracer - 2 pcs.</li> <li>- Quick Start Guide - 1 pcs.</li> </ul> |



# 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



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## 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**

### 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

