


# Quanta 70 Q70-39

<b>Description</b>	Quanta 70 Q70-39, 70 GHz point-to-point unit, net throughput up to 480 Mbps, integrated dual-pol antenna, 39 dBi, 2x2 deg
<b>Net throughput</b>	up to 480 Mbps
<b>Recommended distances</b>	up to 10 km
<b>Radio technology</b>	SC-FDE
<b>Modulation coding schemes</b>	from BPSK 1/4 to QAM64 5/6
<b>Transmit power</b>	up to 11 dBm
<b>Receiver sensitivity</b>	down to -86 dBm
<b>Frequency range</b>	70500-76000 MHz
<b>Channel width</b>	125 MHz
<b>Center frequency adjustment step</b>	125 MHz
<b>Duplex scheme</b>	TDD
<b>Antenna</b>	39 dBi
<b>Wired Interfaces</b>	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)	255 x 226 x 189 mm, 3,1 kg
	
Part Number Example	Q70-39/04800
Packing List	<ul style="list-style-type: none"> <li>- Outdoor unit Q70-39 - 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>- MONT-KIT-85PW Mounting kit - 1 pcs.</li> <li>- Quick Start Guide - 1 pcs.</li> </ul>



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## 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, 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



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## Radiation diagram

