INFINET wireless

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	– 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.

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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**

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