

Quanta 4 **Q4-E**

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| Description | Quanta 4 Q4-E, 4 GHz point-to-point unit, net throughput up to 650 Mbps, 2x N-type (F) connectors for external antenna |
| Net throughput | up to 650 Mbps |
| Recommended distances | 200+ 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 | 4000-5000 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 |
| Wired Interfaces | 1x Combo port GigabitEthernet/SFP |

*May be limited by regional EIRP restrictions

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| Consumption | up to 15 W |
| Power options | 90-240 VAC ~ @ 50/60 Hz, +-43..56 VDC |
| Outdoor Unit (ODU) | 180 x 190 x 86 mm, 1.2 kg |
| Part Number Example | Q4-E |
| Packing List | <ul style="list-style-type: none"> - Outdoor unit Q4-E - 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. |



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Features

RADIO

- ▶ DFS
 - ETSI/FCC, including radar detection (including o -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 tra ic

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 Di Serv support

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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)