


## Vector 5 Q5-23

Description	Quanta 5 Q5-23, 5 GHz point-to-point unit, net throughput up to 460 Mbps, integrated dual-pol antenna, 23 dBi, 10x10 deg
Net throughput	up to 460 Mbps
Recommended distances	up to 40 km
Radio technology	SC-FDE
Modulation coding schemes	from QPSK 1/4 to QAM256 7/8
Transmit power	up to 27 dBm
Receiver sensitivity	down to -95 dBm
Frequency range	4900-6000 MHz
Channel width	3.5, 5, 7, 10, 14, 15, 20, 28, 30, 40 MHz
Center frequency adjustment step	1 MHz
Duplex scheme	TDD
Antenna	23 dBi
Wired Interfaces	1x GigabitEthernet (RJ45)



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Consumption	up to 15 W					
Power options	90-240 VAC ~ @ 50/60 Hz, ±43..56 VDC					
Outdoor Unit (ODU)	305 x 305 x 66 mm, 1.75 kg					
						
Part Number Options	Prefix	Freq. Band	Bitrate	Output Power	Ant.	Capacity
	<i>R5000-Smn</i>	<i>5X</i>	<i>363</i>	<i>2x300</i>	<i>2x19</i>	<i>(пусто)</i>
Part Number Example	Q5-23					
Packing List	<ul style="list-style-type: none"> <li>- Outdoor unit Q5-23 - 1 pcs.</li> <li>- Power Supply IDU-CPE-G - 1 pcs.</li> <li>- Power Cord - 1 pcs.</li> <li>- Cable Gland - 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-85 Mounting kit - 1 pcs.</li> <li>- Quick Start Guide - 1 pcs.</li> </ul>					



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## Features

### RADIO

- ▶ **DFS**
  - ETSI/FCC, including radar detection (including off-channel CAC) and adaptivity
- ▶ **Instant DFS**
  - background spectrum monitoring by both Master and Slave terminal units
  - seamless channel change
- ▶ **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, 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 InfiMONITOR**

### QUALITY-OF-SERVICE

- ▶ **8 priority queues**
- ▶ **IEEE 802.1p support**
- ▶ **IP DiffServ support**



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## Features

### ENVIRONMENTAL

- ▶ Outdoor Units: -40..+60C, 100% humidity, condensing
- ▶ Indoor Unit: 0..+40C, 95% humidity, non-condensing

### SECURITY FEATURES

- ▶ Storm/flood protection
- ▶ Password protection
- ▶ Secure command-line access via SSH protocol

### MAC

- ▶ VLAN, Q-in-Q
- ▶ IGMP snooping, querrier
- ▶ IEEE1588 v2 Transparent clock

### STANDARD COMPLIANCE

- ▶ **Safety:**
  - EN/IEC 62368-1:2014, UL 62368-1:2014 (pending)
- ▶ **Radio:**
  - EN 301 893 v.1.8.1 (pending), EN 302 502, v.1.2.1 (pending), FCC part 15.247
- ▶ **EMC:**
  - ETSI EN 301 489-1 (pending), ETSI EN 301 489-17 (pending), FCC Part 15 Class B
- ▶ **RoHS:**
  - RoHS3 Directive 2015/863/EU (pending)



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## Radiation diagram

