



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)



Consumption	up to 15 W	up to 15 W							
Power options	90-240 VAC ~ @ 50/60 Hz, ±4356 VDC								
Outdoor Unit (ODU)	305 x 305 x 66 mm, 1.75 kg								
Part Number Options	Prefix	Freq. Band	Bitrate	Output Power	Ant.	Capacity			
	R5000- Smn	5X	363	2x300	2x19	(пусто)			
Part Number Example	Q5-23								
Packing List	 Outdoor unit Q5-23 - 1 pcs. Power Supply IDU-CPE-G - 1 pcs. Power Cord - 1 pcs. Cable Gland - 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. 								







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







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

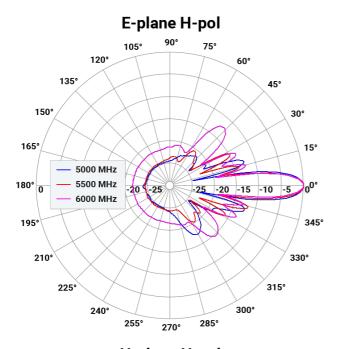
- VLAN, Q-in-Q
- IGMP snooping, querrier
- ▶ IEEE1588 v2 Transparent clock

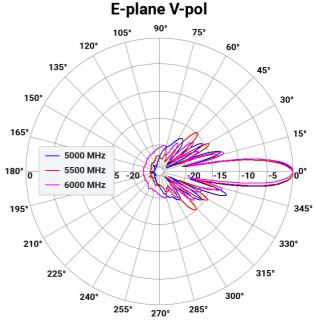
STANDARD COMPLIANCE

- 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)



Radiation diagram





H-plane H-pol 105° 75° 120° 60° 135° 45° 150° 30° 165 15° 5000 MHz 5500 MHz 180° <u>-2</u>0 -15 -10 -5 345° 195° 210° 330° 225° 315° 300° 255° 285° 270°

