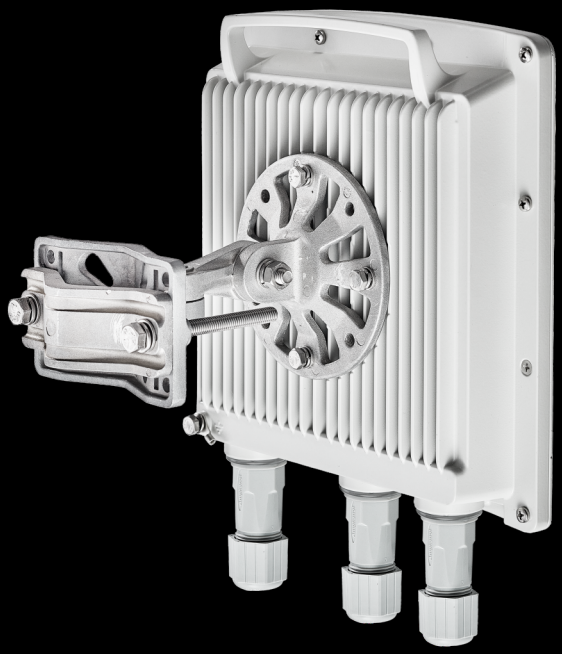
Astra Quasar Qsr6-E

PRODUCT DATASHEET

Astra Wireless



Description	Quasar Qsr6-E, 6 GHz point-to-point unit with 2x N-type (F) connectors
Antenna	2x N-type (F) connectors for external antenna
Recommended distance	up to 50 km
Frequency range	6000-7100 MHz
Channel width	20, 40, 80, 160 MHz
Net throughput	up to 2100 Mbps in 160 Mhz up to 1100 Mbps in 80 MHz
Transmit power	up to 27 dBm**, step 1 dBm
Receiver sensitivity	down to -93 dBm
Center frequency adjustment step	1 MHz
Multiple access	Polling, TDD*

*Roadmap

**May be limited by regional EIRP restrictions

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PRODUCT DATASHEET

Wired Interfaces	1x Combo: GigabitEthernet & SFP
Consumption	Up to 20 W
Power options	90-240 VAC ~ @ 50/60 Hz, +-43..56 VDC
Part Number Example	Qsr6-E
Form Factor and Dimensions	Outdoor Unit (ODU) 240 x 248 x 87 mm, 2.2 kg
	Indoor Unit IDU-CPE-G (24W) 97 x 53.5 x 35.5 mm 0.133 kg

Packing List

- Outdoor unit Qsr6-E - 1 pcs
- Power Supply IDU-CPE-G(24W) - 1 pcs
- Power Cord - 1 pcs
- Cable Gland for RJ-45 - 2 pcs
- Cable Gland for SFP - 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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RADIO FEATURES

Radio technology
MIMO 2x2, OFDM 64/128

Modulation types
от BPSK 1/2 до QAM 4096 5/6

Voice/RTP Aware Superpacketing

Automatic Bitrate Control
Automatic Transmit Power Control
Automatic Distance Learning

Channel Time Adjustment
Channel testing tools

Spectrum Analyzer mode

Wide range of network settings

Multi-kilometer gigabit backhaul

Easy operation due to automatic control options

NETWORKING FEATURES

MAC
Full-fledged 2nd layer switch
VLAN 802.1q

Proprietary MINT network protocol
Pseudo-radio interface
Own switch group system

Quality of Service
IEEE 802.1p support
8 priority queues

DHCP-client

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MANAGEMENT AND SECURITY

Various Management Protocols

HTTP, HTTPS, SSH, Telnet, SNMP v1/2c/3 (MIB-II and proprietary MIBs)

- Antenna alignment tool
- Automatic software update
- Online monitoring with EMS NEXT
- WEB GUI

Safety & Security

- Storm/flood protection
- Password protection
- Secure CLI access via SSH protocol

LED Indication

- Power status
- Wired link status

STANDARD COMPLIANCE*

Radio

- ETSI EN 301 893 v.2.1.1
- ETSI EN 302 502 v.2.1.1
- FCC part 15.407

EMC

- ETSI EN 301 489-1 v.2.1.1
- ETSI EN 301 489-17 v.3.1.1
- FCC Part 15 Class B

Safety

- EN 62368-1:2014+A11:2017
- UL 62368-1:2014
- EN 62311:2008

RoHS3

EN IEC 63000:2018

Lightning protection

IEC 61000-4-2:
+/-4kV (contact discharge),
+/-8kV (air discharge)

IEC 61000-4-4:
+/-0.5kV

IEC 61000-4-5:
+/-1kV (line-to-ground),
+/-0.5kV (line-to-line)

OPERATION OPTIONS

Power options

- 90–240 VAC @ 50/60 Hz
- ±43..56 VDC
- 802.3at or Proprietary PoE

Outdoor Unit environmental conditions

- -40..+60°C, can be extended to -55..+60°C (models with “t” index in PN)
- 100% humidity, condensing
- Dust and water protection IP66, IP67
- Wind load 160 km/h, operational; 200 km/h, survival

Indoor Unit environmental conditions

- 0..+40°C
- 95% humidity, non-condensing

*Pending

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