

Astra Quasar Qsr6-29

PRODUCT DATASHEET



Description	Quasar Qsr6-29, 6 GHz point-to-point unit with 29 dBi removable antenna
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Antenna	Removable dual-pol antenna, 29 dBi, 5x5°
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Recommended distance	up to 50 km
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Frequency range	6000-7100 MHz
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Channel width	20, 40, 80, 160 MHz
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Net throughput	up to 2100 Mbps in 160 Mhz up to 1100 Mbps in 80 MHz
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Transmit power	up to 27 dBm**, step 1 dBm
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Receiver sensitivity	down to -93 dBm
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Center frequency adjustment step	1 MHz
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Multiple access	Polling, TDD*
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*Roadmap

**May be limited by regional EIRP restrictions

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Wired Interfaces 1x Combo: GigabitEthernet & SFP

Consumption Up to 20 W

Power options 90-240 VAC ~ @ 50/60 Hz, +-43.56 VDC

Part Number Qsr6-29
Example

Form Factor and Dimensions Outdoor Unit (ODU)
Ø700 x 215 mm, 5.8 kg

Indoor Unit IDU-CPE-G (24W)
97 x 53.5 x 35.5 mm 0.133 kg

Packing List

- Outdoor unit Qsr6-29 - 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

RADIO FEATURES

- **Radio technology**
MIMO 2x2, OFDM 64/128
- **Automatic** Bitrate Control
Automatic Transmit Power Control
Automatic Distance Learning
- **Modulation types**
From BPSK 1/2 to QAM 4096 5/6
- Channel Time Adjustment
Channel testing tools
- Voice/RTP Aware Superpacketting
- 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
- **Quality of Service**
IEEE 802.1p support
8 priority queues
- Proprietary MINT network protocol
Pseudo-radio interface
Own switch group system
- DHCP-client



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
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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 61000-4-3: +/-0.5kV IEC 61000-4-4: +/-1kV (line-to-ground), +/-0.5kV (line-to-line)
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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
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*Pending



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