

Astrawireless Quasar Qsr6-29

PRODUCT DATASHEET

Description Quasar Qsr6-29, 6 GHz point-to-point unit with 29 dBi removable antenna

Antenna Removable dual-pol antenna, 29 dBi, 5x5°

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 30 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

Astrawireless Quasar Qsr6-29

PRODUCT DATASHEET

Wired Interfaces 1x 2,5 Gigabit Ethernet port (RJ45),
1x 10 Gigabit SFP, 1x DC IN, 1x Sync

Consumption Up to 30 W

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

Part Number Example Qsr6-29

Form Factor and Dimensions **Outdoor Unit (ODU)**
Ø700 x 205 mm, 5.8 kg

Indoor Unit IDU-CPE-G (56W)
137,5 x 62,5 x 33 mm, 0.24 kg

Packing List

- Outdoor unit Qsr6-29 - 1 pcs
- Power Supply IDU-CPE-G(56W) - 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

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



Astra Wireless Technology. All rights reserved.
www.astrawireless.net
sales@astrawireless.net