XTRON ZX Datasheet

Full Outdoor Microwave Radio

About XTRON ZX

Using the latest RF technology, our microwave links operate in all the popular bands 6,11,18 use for long distances and net throughput from 1.4 - 5.7GB

Zero footprint, fully integrated

System Features

❖ Compact, All-Outdoor configuration

❖ Software-Defined Radio

❖ Powerful Forward Error Correction (FEC)

❖ Adaptive Coding & Modulation (ACM)

❖ Adaptive Power Control (APC)

❖ Capacity 1.4 Gbps for 1+0 , 2.8 Gbps for 2+0/XPIC
  5.7 Gbps for 4x4 MIMO

❖ Adaptive Coding and Modulation (HAACM)

❖ Native IP/Gigabit Ethernet POE & SFP Interfaces

❖ Network Synchronization with Sync-E

❖ QoS (Quality of Service) and VLAN for traffic prioritization

❖ Built-in Advanced Digital Pre-Distortion to drive higher transmission performance

❖ RF and digital loopback capability

❖ Digital Pre-distortion feature

❖ Built-in Bit Error Rate (BER) monitoring spectrum scan

❖ Small and attractive profile, Low latency and low power consumption, wide operating temperature range fits all weather conditions

Specifications

Device Type: IP Smart Radio

Output Power: +27 DBM – depends on modulation and band

Frequency Band: 6Ghz, 11Ghz , 18Ghz

Capacity : 1.4 Gbps , 2.8 Gbps , 5.7 Gbps

Modulation Type: QPSK – 4096 QAM

Rx Sensitivity: Depend on modulation

Network Management: SNMP V1 ,2,3

Remote Management: SNMP, HTTP, CLI , SSH No-touch Wi-Fi maintenance interface (optional)

Network Features: Jumbo frame up to 9K bytes, layer-2 switching, au MDI/MDXI, VLAN, QoS, QinQ, STP/RSTP, RLS

Radio Feature: ACM, ATPC, QOS

Data interface: 1× RJ45 and 2 or 3× SFP(+) interface

GbE Ethernet interface (optional)10 × 2

CPRI interface (optional) × 2

Security: AES256 encryption (optional)

Antenna: 30CM – 3M, (check the antennas datasheet)

Antenna GAIN / BEAM: Depend on Frequency (check the antennas datasheet)

Power: DC Power -36-60 (-48V)

Power Consumption: < 55W – 110W

Environment:

Temperature: -20 c to 60 c

Humidity: 0 to 95% non-condensing

Physical:

Radio: 23x22x11.4 mm, 6kg ,9kg

Poe: 170x150x39 mm , 0.5kg

Radio Configuration: 1+0, 1+0 SD, 1+0 FD, 2+0 SD, 2 x (1+0), 2+0 ACAP/ACCP, 4+0 ACAP/ACCP, 1+1, 2+2, 2 x (2+0 XPIC), 2x2 MIMO, 4x4 MIMO

Product Code: XTRON ZX

PWR
POE/RJ45
SFP1
SFP2
SFP3
AUX
Optional GPS antenna at top of unit
USB ACCESS
(Serial Access and Wi-Fi option)
BNC Connector
Ground
Vent
Antenna Port

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