

XTRON X4 Datasheet

Full Outdoor Microwave Radio



About XTRON X4

Using the latest RF technology, our microwave links operate in all the popular bands from 4-42GHz, distances over 40km and net throughput up to 900 Mbps or 1800 Mbps full duplex.

Zero footprint, fully integrated and cost-effective solution

System Features

- ❖ Compact, All-Outdoor configuration
- ❖ Software-Defined Radio
- ❖ Powerful Forward Error Correction (FEC)
- ❖ Adaptive Coding & Modulation (ACM)
- ❖ Adaptive Power Control (APC)
- ❖ Capacity Up to 900Mbps Full Duplex with Hitless Automatic Adaptive Coding and Modulation (HAACM)
- ❖ Native IP/Gigabit Ethernet POE & SFP Interfaces
- ❖ Network Synchronization with Sync-E
- ❖ Licensed and Unlicensed bands supported
- ❖ Network synchronization with SyncE
- ❖ QoS (Quality of Service) and VLAN for traffic prioritization
- ❖ Scalable bandwidths (ETSI up to 112 MHz, FCC up to 80MHz) and flexible modulation schemes (QPSK-1024QAM) to secure best link 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: 25 DBM – depends on modulation and band

Frequency Band: 6GHZ – 42 GHZ

Capacity: 900Mbs Full Duplex 112HZ channel, 1800Mbs with 2+0

Modulation Type: QPSK, 8PSK, 16QAM , 32QAM ,64QAM , 128QAM , 245QAM ,512QAM , 1024QAM

Rx Sensitivity: Depend on modulation

Network Management: SNMP V1 ,2,3

Remote Management: SNMP, HTTP, CLI

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

Radio Feature: ACM, ATPC, QOS

Data interface: GB INTERFACE, SFP OPTIONAL

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

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

Power: DC Power -40-60 (-48V)

Power Consumption: <35w

Environment:

Temperature: -20 c to 60 c

Humidity: 0 to 95% non-condensing

Physical:

Radio: 280x240x110 mm, 3kg

Poe: 170x150x39 mm , 0.5kg

Radio Configuration: 1+0, 1+1 , 2+0

Product Code: XTRON X4

