



NetStream 5x06 DS1

NetStream 5x06 DS1 is ideally suited to meet the connectivity needs of cellular operators, service providers, enterprises and private networks, providing high capacity connectivity of up to 12 Mbps at ranges of up to 80 Km/50 miles.

Available in multiple frequency bands and configurations, the cost-effective solutions are extremely simple to install and maintain, and are typically up and running less than an hour.

Netronics NetStream 5x06 DS1 solutions can also be installed in a unique Multiple-Point-to-Point architecture; multiple units are deployed in one hub site location, from where they provide a dedicated high-capacity connection to each remote site.

Product Highlights

- Transmit power of 16 dBm max
- IP traffic capacity up to 12 Mbps (6 Mbps full duplex) upgradable by Software License to 36 Mbps
- Single radio supporting multiple bands (5.x GHz)
- OFDM technology enabling nLOS deployments
- Supporting Hub Site Synchronization for collocated units
- Local and remote network management



Product Specifications

Configuration

Architecture	Outdoor Unit Connectorized for Antenna
PoE to ODU Interface	Outdoor CAT-5e cable; Maximum cable length: 100 m

Radio

Capacity	12 Mbps (6 Mbps full duplex) Software upgradable to 36 Mbps
Frequency Bands	5.730 – 5.845 GHz
Range	Up to 80 km / 50 miles
Channel Bandwidth	Configurable: 5,10 and 20 MHz
Modulation	OFDM (BPSK/QPSK/16QAM/64QAM)
Adaptive Modulation & Coding	Supported
Automatic Channel Selection	Supported
Min Tx Power	10 dBm adjustable in 1 dB steps
Max Tx Power	16 dBm adjustable in 1 dB steps
Duplex Technology	TDD
Error Correction	FEC k = 1/2, 2/3, 3/4
Encryption	AES 128
Ethernet Interface	10/100BaseT Interface with Auto-negotiation (IEEE 802.3)
Supported Indoor Units	IDU-NetStream RM 2xGBE and IDU-NetStream RM 4xE1 2xEth; ODU NetStream 5836 POE; NetStream PoE device
Ethernet Ring Protection	Supported, including Ethernet 1+1
Hub Site Synchronization (HSS)	Up to 16 collocated ODUs (NetStream)
Monitored Hot Standby (MHS)	1+1 with NetStream links

Mechanical	
ODU Dimensions	30.5 cm (H) x 30.5 cm (W) x 5.8 cm (D)
ODU Weight	1.5 kg / 3.3 lbs
Power	
Power Feeding	Power provided over ODU-IDU cable
Power Consumption	<10 W
Mounting	Pole and Wall
Environmental	
Enclosure	All weather case
Operating Temperatures	-35°C - 60°C / -31°F – 140°F
Humidity	100% condensing, IP67 (totally protected against dust and against immersion up to 1 m)
ETSI	IEC 60721-3-4 Class 4M5
Environmental	
FCC	CFR47 : PART 15, subpart C
IC	RSS-210
WPC (India)	G.S.R 38 (E) dated 19 January, 2007 Notification
Safety	
cTUVus	UL 60950-1:2007; UL 60950-22:2007; CAN/CSA C22.2 No. 60950-1-07; CAN/CSA C22.2.60950-22:2007
EN/IEC	EN 60950-1:2006; EN 60950-22:2006; IEC 60950-1:2005; IEC 60950-22:2005
EMC	
FCC	47 CFR Part 15:2007, Subpart B, Class B
ETSI	EN 300 386 V1.3.3:2005; EN 301 489-4 V1.3.1:2002
CAN/CSA	CES-003:2004 Issue 4, Class B
AS/NZS	CISPR 22:2006, Class B

Part Number	Description
NS 5x06 DS1	Outdoor Unit Connectorized for Antenna



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