



NetAstra SU 2x25 D

Subscriber Unit – NetAstra SU 2x25 D

NetAstra SU 2x25 D is a Subscriber Unit (SU), providing high capacity access connectivity of up to 25 Mbps net aggregate throughput. NetAstra SU 2x25 D works with NetAstra AU 2x100.

NetAstra SU 2x25 D supports 2.5 GHz and complies with FCC/BRS regulations.

NetAstra SU 2x25 D is connectorized for external antenna (2 xN-type).

Product Highlights

- Up to 25 Mbps net aggregate throughput
- Long range – up to 40 km/25 miles
- Guaranteed Service Level Agreement (SLA) per SU
- Outstanding short and constant latency
- Advanced MIMO, OFDM and Diversity technologies
- Robust and reliable operation in harsh conditions, extreme temperatures and non line-of-sight scenarios
- Ease of operation and maintenance



Product Specifications

Configuration

Architecture	Outdoor Unit Connectorized for external antenna (2 xN-type)
PoE to ODU Interface	Outdoor CAT-5e cable; Maximum cable length: 100 m for 10/100BaseT

Radio

Capacity	25 Mbps net aggregate throughput
Range	Up to 40 km / 25 miles
Channel Bandwidth	Configurable: 5, 10 and 20 MHz (for the default band)
Modulation	2x2 MIMO-OFDM (BPSK/QPSK/16QAM/64QAM)
Adaptive Modulation & Coding	Supported
DFS	Not Supported (for the default band)
Diversity	Supported
Max Tx Power	25 dBm
Duplex Technology	TDD
Error Correction	FEC k = 1/2, 2/3, 3/4, 5/6
Encryption	AES 128; FIPS 197
Bandwidth allocation	Configurable: Symmetric and Asymmetric
Support Indoor units	Netronics PoE devices
Layer 2	Hub Mode
QoS	Packet classification to 4 priority queues according to 802.1p and Diffserv
VLAN Support	802.1Q, QinQ, 4094 VLANS

Supported Bands

Band	Channel BW 5 MHz	Channel BW 10 MHz	Channel BW 20 MHz	Channel BW 40 MHz	Radio Compliance
2.5 GHz FCC/BRS	2.4965 - 2.6925	2.494 - 2.695	2.489 - 2.700	-	FCC 47CFR Part 27 Subpart M

Mechanical

ODU Dimensions	28(w) x 19.5(h) x 8(d) cm
ODU Weight	2.4 kg / 5.29 lbs

Power

Power Feeding	Power provided over ODU-IDU cable
Power Consumption	<25 W

Environmental

Operating Temperatures	-35°C to 60°C / -31°F to 140°F
Humidity	100% condensing, IP67 (totally protected against dust and against immersion up to 1 m)

Safety

FCC/IC (cTUVus)	UL 60950-1, UL 60950-22, CAN/CSA C22.2 60950-1, CAN/CSA C22.2 60950-22
ETSI	EN/IEC 60950-1, EN/IEC 60950-22

EMC

FCC	47 CFR Class B, Part15, Subpart B
ETSI	EN 300 386, EN 301 489-1, EN 301 489-4
CAN/CSA-CEI/IEC	CISPR 22-04 Class B

