

NT-5526 ST

NEO-Tera Serie 5000 offer you the best cost effective and high professional solution to build private or public robust data networks. All the series modules can operate in different modes (P-P, P-M) and frequency bands (5.2Ghz-5.8Ghz) with just a simple configuration selection, giving you a very high flexibility and costs savings.



Benefits:

- ♦ Very fast installation and configuration
- ♦ Cost savings: flexibility / modularity / NoLOS
- ♦ Scalability / Linear costs
- ♦ High Availability and Quality of Service
- ♦ All in one solution : Bridge + Advanced Router
- ♦ Multi-Topologies: P-P, P-MP, Mesh, Ring, Redundancy, etc.



NEO-Tera NT-5526ST is an ODU (Outdoor Unit) designed to work like a end of a point-to-point link, repeater, remote station within a multipoint network, or like an Access Point inclusive. It supports up to four radio interfaces. Its connectorized design is based on a high availability hardware and software capable to handle up to 45Mbps of data throughput reaching long distances, depending of selected antenna(s). It is not a simple bridge, it is also an advanced router with VPN server, VLAN/trunking, QoS and other upper level features.

Technical Specifications



General

Operation Frequency		Operating Mode	
Band 1	Multi Band 5.150GHz~5.250GHz	P-P	✓
Band 2	5.250GHz~5.350GHz	P-MP	✓
Band 3	5.470GHz~5.725GHz	Mesh	✓
Band 4	5.725GHz~5.850GHz	Dual Radio	✓
		NoLOS	✓
Link		Power Supply	
Link type	Ethernet / IP	PoE (Power Over Ethernet)	IEEE.802.11af (*)
Traffic Balance	Sim / Asim	Voltage Rating	220VAC/14-60VDC
Throughput (L3)	45Mbps (upgradeable)	Power Consumption	15W
Link Reach (Typ)		EDS Protection	ITU-T K.12 (*)
P-P	60Km		
P-MP	35Km		

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Radio Specifications

Radio MAC/PHY

Transmission Protocol	Pre-WiMax
Modulation	OFDM
Modulation Technique	BPSK / QPSK / 16QAM / 64QAM
Access Method	TDMA
Duplexing	TDD/TDM
Central Frequency Resolution	5Mhz
Channel Width	5/10/20/40MHz

Tx Power

TX Power @ 64QAM	21dbm
TX Power @ BPSK	26dbm
ERIP (Typ)	26dbm

RX Sensitivity

RX Sensit. @ 64QAM	-74dbm
RX Sensit.@ BPSK	-94dbm

Advanced Features

VPN	L2/L3/L4
VLAN	IEEE802.1q
Tunneling	EoIP
Encryption	WEP / WPA / DES / AES

Routing

Static Routing	✓
MPLS / VRF	✓
OSPF / RIP/ BGP/ PIM/ IGMP	✓
VRRP (High Availability)	✓

Quality of Service (QoS)

Traffic Shaping	✓
Load Balancing; Broadcast control	✓
Bandwidth Control	CIR / MIR / Bursting

Management & Monitoring

SNMP	RFC 1592
Graphical Interface (GUI)	WinXP/Win7/Linux

Enviromental

Wind Load (Side)	4,2Kg
Humidity	95%
Enclosure Material	Aluminum
Wind Speed Survival	220Km/h

Mehanical

Physical Specification	
Dimensions LxWxD	310x200X90mm
Weight	3,4Kg
Wind Speed Operation	160Km/h
Wind Load (Front)	5,3Kg