

## NT-4525 ST (Standard Version)

NEO-Tera Serie 4000 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 (4.4Ghz-6.1Ghz) , 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-4525 ST is an ODU (Outdoor Unit) based on a redundant radio and dual polarization antenna design, offering high availability and performance. Designed to work like a end of a point-to-point link or even like a remote station within a multipoint network, it is capable to handle up to 45Mbps of data throughput, 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 (Standard Version)	4.94GHz~4.90GHz	P-P	✓
Band 2	5.15GHz~5.89GHz	P-MP	✓
Band 3		Mesh	✓
Band 4		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)	50Mbps	Power Consumption	15W
Link Reach (Typ)		EDS Protection	ITU-T K.12 (*)
P-P	30Km		
P-MP	20Km		

# NT-4525 ST

## Radio Specifications

### Radio MAC/PHY

Transmission Protocol	Pre-WiMax
Modulation	OFDM/ MIMO
Modulation Technique	2x (BPSK / QPSK / 16QAM / 64QAM)

Access Method	TDMA
Duplexing	TDD/TDM
Central Frequency Resolution	5Mhz
Channel Width	5/10/20/40MHz

### Tx Power (Typ.)

TX Power @ 64QAM	21dbm
TX Power @ BPSK	25dbm
ERIP (Typ)	25dbm

### RX Sensitivity

RX Sensit. @ 64QAM	-84dbm
RX Sensit.@ BPSK	-97dbm

## Advanced Features

<b>VPN</b>	L2/L3/L4
VLAN	IEEE802.1q
Tunneling	EoIP
Encryption	WEP / WPA / 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

## Mechanical

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