NEO-Tera 5000

e-Tera

High Performance Wireless Technology

NT-5526 PS

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 (4.9GHz; 5.2Ghz; 5.4GHz; 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 conectorized 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	Multi Band	**Operating Mode**	
Band 1	4.950GHz~4.990GHz	P-P	✓
Band 2	5.150GHz~5.250GHz	P-MP	✓
Band 3	5.250GHz~5.350GHz	Mesh	✓
Band 4	5.470GHz~5.725GHz	Dual Radio	✓
Band 5	5.725GHz~5.850GHz	NoLOS	✓
Link			
Link type	Ethernet / IP	**Power Supply**	
Traffic Balance	Sim / Asim	PoE (Power Over Ethernet)	IEEE.802.11af (*)
Throughput (L3)	45Mbps	Voltage Rating	220VAC/14-60VDC
Link Reach (Typ)		Power Consumption	15W
P-P	60Km	EDS Protection	ITU-T K.12 (*)
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)	L2/L3/L4
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

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