

NT-9528 ST

NEO-Tera Serie 9000 offer you the best cost effective and high professional solution for 900-928MHz frequency band, to build private or public robust data networks. All the series modules can operate in different modes (P-P, P-M), 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-9528ST 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

| | |
|--------|---------------|
| Band 1 | 902MHz~928MHz |
| Band 2 | N/A |

Operating Mode

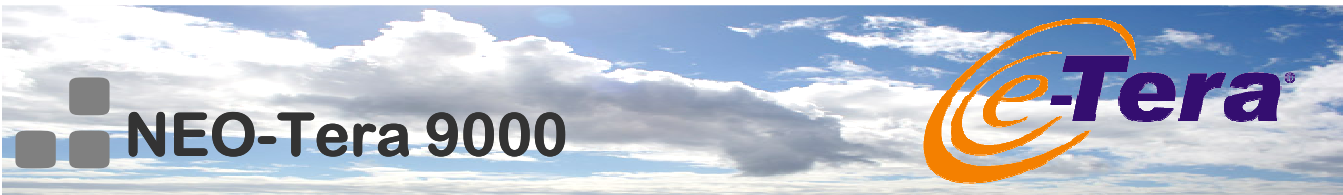
| | |
|------------|---|
| P-P | ✓ |
| P-MP | ✓ |
| Mesh | ✓ |
| Dual Radio | ✓ |
| NoLOS | ✓ |

Link

| | |
|------------------|---------------|
| Link type | Ethernet / IP |
| Traffic Balance | Sim / Asim |
| Throughput (L3) | 45Mbps |
| Link Reach (Typ) | |
| P-P | 50Km |
| P-MP | 30Km |

Power Supply

| | |
|---------------------------|-------------------|
| PoE (Power Over Ethernet) | IEEE.802.11af (*) |
| Voltage Rating | 220VAC/14-60VDC |
| Power Consumption | 15W |
| EDS Protection | ITU-T K.12 (*) |



NT-9528 ST

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 | 24dbm |
| TX Power @ BPSK | 28dbm |
| ERIP (Typ) | 28db |

RX Sensitivity

| | |
|--------------------|--------|
| RX Sensit. @ 64QAM | -72dbm |
| RX Sensit.@ BPSK | -92dbm |

Advanced Features

VPN

| | |
|------------|-----------------------|
| 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)

| | |
|-----------------------------------|----------------------|
| 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) | 6Kg |
| 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) | 47Kg |