

HANATM MAX

HIGH AVAILABILITY NETWORK ADAPTER

For superior **WiMAX** networking



NEXAIRA[®]
A Nexaira Wireless Company

For superior **WiMAX** networking

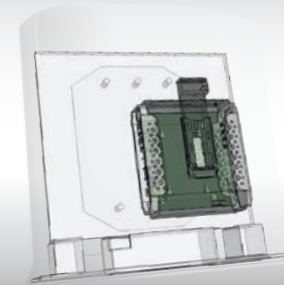
- Assures business continues during wireline network outages
- Protects business data
- Maintains customer service
- Quick and simple installation
- Improves signal quality and increases WiMAX Reliability / Speed / Coverage

HANATM MAX improves network reliability and speed, offering advanced security, redundancy, and management protocols. HANATM provides carriers, MSPs, large businesses, and enterprise increased WiMAX coverage. HANATM is built to screen out interference in IT closets, and provide extended reach for businesses in rural locations as a primary wireless connection.

- High gain antenna with 802.11n Wi-Fi 2x2 MIMO router
- WiMAX USB or ExpressCard
- Auto detects WiMAX signal strength
- Advanced security and management protocols
- XtremeSpeed[®] WAN Optimization

Router & Antenna

HANATM MAX
Simply the best business insurance available. The only High Availability solution combining a router with a High Gain WiMAX Antenna.

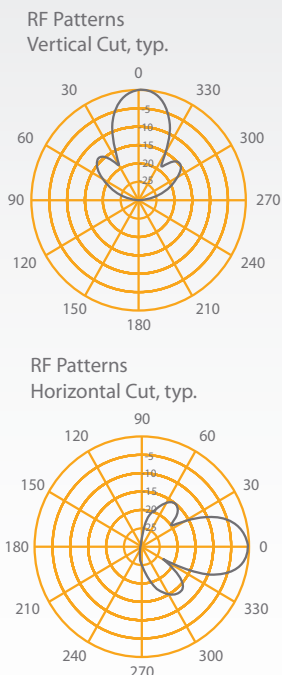


Antenna Configuration

WiMAX

HANA™ MAX Antenna Specifications

Frequency Range	2.5-2.7GHz
Gain	12.0dBi Typical
3dB Beamwidth Vertical/Horizontal	35 degrees/ 35 degrees (+/- 5°)
Polarization	Linear - Vertical
VSWR	≤ 1.5:1 typ., ≤2.5:1 max.
Front-to-Back Ratio	≥ 30 dBi
Cross Polarization	≥ 25 dBi
Power Rating	1 Watt
Impedance	50 ohms
Lightning Protection	DC ground
Connector Type	FME Jack



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ROUTER SPECIFICATIONS

NEXWARE™ FEATURES

XtremeSpeed® WAN Optimization
IPsec VPN
VRRP (Virtual Router Redundancy Protocol)
WDS (Wireless Distribution System)
Auto Failover w/Anti-Flap

NETWORK FEATURES

Supports cable modems, DSL, wireline WAN, T1, & WiMAX
WAN Auto Failover to WiMAX for redundancy
DHCP Server
DNS Relay
DMZ Host
Auto-Reconnect
Connect-on-demand
Auto-Disconnect
MAC access control
Virtual server
Dynamic DNS
Static & Dynamic routing with RIP
QoS

MANAGEMENT

OMA-DM
SNMP Management
Supports SSH and Telnet
Firmware upgradable
Auto connect to network

ACCESS

1 ExpressCard Slot
1 USB 2.0
(1) 10/100 WAN (Software Configurable)
(1) 10/100 LAN

STANDARDS

IEEE 802.11 b/g/n 2x2 mimo
IEEE 802.3
IEEE 802.3u

WIRELESS STANDARD

IEEE 802.11 b/g/n 2x2 MIMO
2.4 - 2.462 GHz
CCK
Tx/Rx power 18dBm/Per Cell
indoors approx. 35-100 meters
outdoors up to 100-300 meters

NUMBER OF CHANNELS

1-11 for N. America (FCC);1-11 for (DOC)
1-13 Europe (Except and ETSI)
1-14 (TELEC)

DATA RATE

Up to 300 mbps Wi-Fi
100 mbps Ethernet

POWER

Switching 12V
1.25A

SECURITY

64-bit and 128-bit
WEP encryption
WPA encryption w/ WPA2 support
NAT (Network Address Translation)
VPN IPsec Pass Through
VPN IPsec Termination

WORKING ENVIRONMENT

Temperature 0~40°C
Humidity 10%~90%
non-condensing

COMPATIBILITY

Works with all North American Carriers
For a list of supported modems please visit www.nexaira.com