

# HANA™ MAX

HIGH AVAILABILITY NETWORK ADAPTER

For superior **WiMAX** networking



**NEXAIRA**®  
A Nexaira Wireless Company

## For superior **WiMAX** networking

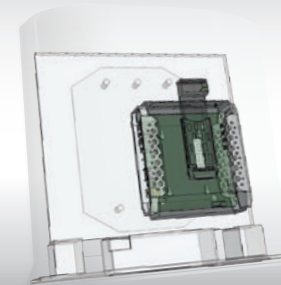
- Assures business continues during wireline network outages
- Protects business data
- Maintains customer service
- Quick and simple installation
- Improves signal quality and increases WiMAX Reliability / Speed / Coverage

HANA™ MAX improves network reliability and speed, offering advanced security, redundancy, and management protocols. HANA™ provides carriers, MSPs, large businesses, and enterprise increased WiMAX coverage. HANA™ 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

HANA™ 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	12dBi typical
3dB Beamwidth Vertical/Horizontal	35 degrees/ 35 degrees (+/- 5 degree)
Polarization	Single linear, horizontal or vertical
VSWR	≤ 2.5:1 (Due to FME Connector)
Front-to-Back Ratio	≤ 30 dBi
Cross Polarization	≤ 25 dBi
Power Rating	1 W
Impedance	50 ohms
Lightning Protection	DC ground
Connector Type	R/A SMA Jack

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Antenna  
Configuration

**WiMAX**

## ROUTER SPECIFICATIONS

### NEXWARE™ FEATURES

XtremeSpeed® WAN Optimization  
IPsec Termination & GRE (Generic Routing Encapsulation)  
VRRP (Virtual Router Redundancy Protocol) (No single point of failure)  
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 IP  
Static IP / RIP IP  
QoS

HM/ss/2 Nexaira, Inc., a Nexaira Wireless company

### 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

[www.nexaira.com](http://www.nexaira.com)

### 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 (Networks 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](http://www.nexaira.com)

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