



### Description

The Nitek MNG6448 is a high performance wireless mesh capable node providing reliable connectivity in a mesh network topology. The wireless node's ability to self-configure and self-heal enables deployment of network devices for video, voice and data seamlessly in any industrial, educational, municipal or government application.

The MNG6448 provides reliable wireless networking connectivity in a self-forming wireless mesh configuration. The MN6448 can be used in indoor or outdoor applications as well as mounted to moving vehicles offering speeds of 54Mbps throughput within the 2.4GHz frequency range operating at 100mW.

### Features

- Wireless Access Point .
- PoE (802.3af compliant).
- PoE Injector included .
- Compact design for easy installation .
- Fully IP/Ethernet compatible .
- Self configurable and self healing
- AES128 Encryption .

### Ordering Information

Antenna Type	Part #	Compatible Radio	Frequency	Gain	WiFi Network Compatibility
High band Omni Directional	MA8-24	MNG6448	2.4GHz 2400MHz to 2500MHz	8.0dBi	802.11a/b/g
High gain Omni Directional	MA12-24			12.0dBi	802.11a/b/g
High gain indoor/outdoor Sector	MA14-24			14.0dBi	802.11a/b/g
Accessories	AP540 = Antenna Cable & Surge Arrestor				



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# MNG6448 Wireless Mesh Node

Wireless Mesh Nodes

TECHNICAL SPECIFICATION

## Hardware

CPU Memory	1XP 422 266MHz / 8Mb SDRAM
LAN Connectivity	1 x 10/100BaseT RJ-45 with auto MDIX
Enclosure	Metal IP67 Verified
Default Button	Yes

## Radio

Wireless Link Display	Yes
Power Output	27dBm@11Mbps / 26dBm@54Mbps / 23dBm@HT20 & HT40
Max Output Power	21dBm @ 54Mbps
Sensitivity	-54Mbps: < or = -72dBm
Antenna	1 x N Connector
Frequency	2.4GHZ
Output	100mW balanced low voltage current loop

## Security

WEP Encryption	64, 128, & 152bit
WPA	Yes

## Operating Features

Channel Bandwidth	20/10/5 MHz
Operating Mode	AP, Mesh, 802.11s
Mesh Diagnose	Yes
Radio Mode	802.11b/g
Link Test	Yes
Wireless Link Display	Yes
WMM (Next Edition)	Yes

## Management

Web Based	Yes
HTTP F/W Upgrade	Yes
SNMP	MIB2
Windows Utility	Yes (Bridge Vision)

## General

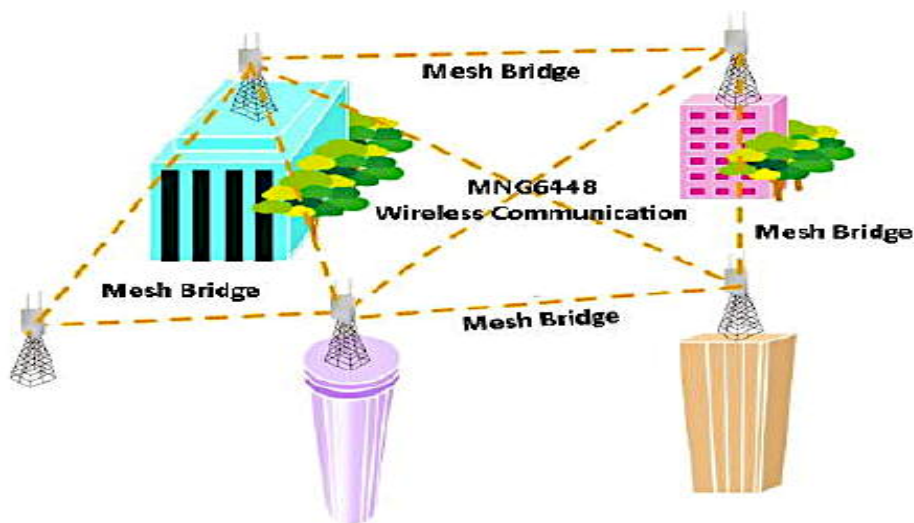
Operating temperature	-4° to 149° Fahrenheit
Storage temperature	-4° to 176° Fahrenheit
Storage humidity	5 to 95% non-condensing
Power requirements	802.3af PoE (15.4 watts of DC power) w/ lightning protector
Shipping Weight	6.2lbs

## Mechanical

Height	10.25"
Width	9.85"
Depth	2.95"

In our continued effort to "Bridge the Gap in Technology", product specifications are subject to change without notice.

## System Design



# NITEK®



RoHS  
COMPLIANT  
2002/95/EC

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