

NW3/NW4





The NetWave[®] NW3 and NW4 from ComNet[™] is a commercial grade wireless Ethernet transmission link that can be configured through the embedded User Interface as a Client or as an Access Point. This point-to-multipoint model allows multiple Ethernet endpoints to be connected to a central Access Point. Up to 15 endpoints can be linked to a central access point. The NW3 and NW4 support up to 95Mbps throughput due to MIMO technology. An easy to read LED array displays unit operational status along with received signal strength ensuring optimal installation and operation. The units are passive PoE (Power over Ethernet) powered or through a supplied PoE injection module. The NW3 is FCC certified and the NW4 is ETSI, DFS and TPC certified.

FEATURES

- > 802.11a/n Compliant
- > RF Spectrum Survey Tools
- Antenna Alignment Tools
- > Passive PoE Support
- > Secure transmission: WPA2 AES or TKIP encryption
- ComNet Antenna alignment feature eases installation and setup
- Distance adjustments allow for short- or long- range transmission

- > ETSI Standards:
- DFS Dynamic Frequency Selection
- TPC Transmit Power Control
- Commercial grade for use in benign conditioned environments
- › Ambient operating temperature range: -10° to +65°C
- > Lifetime Warranty

Static IP / DHCP Client / DHCP Server

+24VDC @ 350mA (Passive PoE)

4.75 × 2.50 × 11.00 in. (12.1 × 6.4 × 28.0 cm)

SPECIFICATIONS

Wireless Radio

EIRP	NW3 (FCC): +35dBm	Addressing
	NW4 (ETSI): +30dBm	SNMP
RF Output	+26dBm Rated Transmitter	Spanning Tree Protocol supp
Operational Frequency	NW3: FCC UNII3 5745-5825MHz	Telnet Server
	NW4: 5500-5700MHz supporting 802.11h ETSI	Syslog
	DFS and TPC	802.1x Port-Based Network A
Bandwidths	10, 20, and 40MHz	NTP Client
Wireless Antenna		User-Configurable Watchdog
Wileless Antenna		Multi-Level Configuration an
Antenna	Integrated 17dBi Dual Polarized Directional	: User Configurable Long Rang
Gain	17dBi	Electrical & Mechanical
Azimuth	30° Horizontal/Vertical	
Elevation	17° Horizontal/Vertical	Power
Connectors		Size $(L \times W \times H)$

Connectors

Ethernet

LEDs

RJ-45, Sealed Cable Gland Power On, Ethernet Link, Signal Strength, LAN port, SMA Socket, Reset





Note: In a continuing effort to improve and advance technology, product specifications are subject to change without notice.

<11b/0.5kg

>100,000 hours

-10° C to +65° C -10° C to +85° C

5% to 95%

V₂c

User-Configurable Watchdog and Auto-Reboot Mechanism

Multi-Level Configuration and Monitoring Login Accounts

ORDERING INFORMATION

Part Number	Description	
NW3	Commercial Grade Point-to-Multipoint Wireless Ethernet Link, FCC certified, Supports distances up to 2 mi/3.2 km	
NW4	Commercial Grade Point-to-Multipoint Wireless Ethernet Link, ETSI certified, Supports distances up to 2 km/1.25 mi	
Included Accessories	Power Kit with Power Supply and Passive Power Injector Mounting Hardware Kit	
Options	Add '/C' for Conformally Coated Circuit Boards (Extra charge, consult factory)	

Software Features Addressing

Environmental

MTBF

Shipping Weight:

Operating Temp

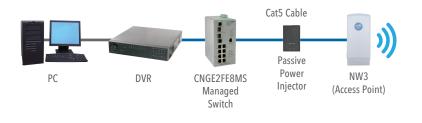
Storage Temp **Relative Humidity**

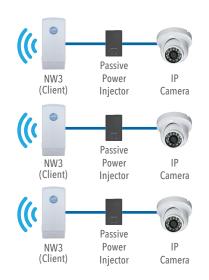
Spanning Tree Protocol support

802.1x Port-Based Network Access Control

User Configurable Long Range Parameters

TYPICAL APPLICATION







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