netwave®

POWER SUPPLY INCLUDED

ETHERNET 1

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

SPECIFICATIONS

Wireless Radio

EIRP	NW3 (FCC): +35dBm
	NW4 (ETSI): +30dBm
RF Output	+26dBm Rated Transmitter
Operational Frequency	NW3: FCC UNII3 5745-5825MHz
	NW4: 5500-5700MHz supporting 802.11h ETSI DFS and TPC
Bandwidths	10, 20, and 40MHz

Wireless Antenna

Antenna	Integrated 17dBi Dual Polarized Directional
Gain	17dBi
Azimuth	30° Horizontal/Vertical
Elevation	17° Horizontal/Vertical

Connectors

Ethernet	RJ-45, Sealed Cable Gland

LEDs

	Power On, Ethernet Link, Signal Strength, LAN port, SMA Socket, Reset

AGENCY COMPLIANCE

FC PART 15 COMPLIANT   CE   RoHS COMPLIANT

Low Power Consumption

Software Features

Addressing	Static IP / DHCP Client / DHCP Server
SNMP	V2c
Spanning Tree Protocol support	
Telnet Server	
Syslog	
802.1x Port-Based Network Access Control	
NTP Client	
User-Configurable Watchdog and Auto-Reboot Mechanism	
Multi-Level Configuration and Monitoring Login Accounts	
User Configurable Long Range Parameters	

Electrical & Mechanical

Power	+24VDC @ 350mA (Passive PoE)
Size (L × W × H)	4.75 × 2.50 × 11.00 in. (12.1 × 6.4 × 28.0 cm)
Shipping Weight:	<1lb/0.5kg

Environmental

MTBF	>100,000 hours
Operating Temp	-10° C to +65° C
Storage Temp	-10° C to +85° C
Relative Humidity	5% to 95%

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

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)

TYPICAL APPLICATION

PC — DVR — CNGE2FE8MS Managed Switch — Cat5 Cable — Passive Power Injector — NW3 (Access Point)

NW3 (Client) — Passive Power Injector — IP Camera

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