

AL-IM3-80211

GATEWAY



AL-IM3-80211 Wireless & Wired Gateway

Designed for use with Numerous Napco Access Pro Solutions & Access Control Installations

Trilogy Networkx 3rd Generation Gateways interface up to 63 Networkx or ArchiTech Locks or NetPanels with a PC network, operating one of several supported platforms, including native Alarm Lock, plus, real-time options from Napco Access Pro, i.e., Continental Enterprise or E-Access, as well as Lenel OnGuard. The new 80211 model now features networking via either a hardwire Ethernet connection &/or wirelessly via a bi-directional radio. Similar in function to the original Networkx Gateway Modules, and able to be intermixed with them, but now featuring dual mode installation flexibility and new "Offline-Preconfiguration" from any smart device or PC/laptop, i.e., enabling setup prior to getting on the job-site.

The AL-IM3-80211 Gateway supports up to 63 Networkx Locks, or NetPanels and, to expand the wireless range the Networkx network can supports up to 7 AL-IME2 Expanders (each extends range up to 100'). Gateways and Expanders match, featuring 3 LED indicators & ceiling or wall mounting. For both equipment cost-and labor-savings, AL-IM3-80211 Gateway is powered by an AC adapter / 6VAC transformer (supplied).

AL-IM3-80211 Version 3 Gateway Specifications

NETWORK INTERFACE

- Interface: Ethernet, 10Base-T or 100Base-TX (using RJ45 Jack)
- Protocols: TCP/IP, UDP/IP, DHCP

802.11 WIRELESS SPECIFICATIONS

- Wireless Standards: IEEE 802.11b; 802.11g
- Frequency Range: 2.412 - 2.484 GHz
- Output Power: 14 dBm + 1.5 dBm/-1.0 dBm
- Maximum Receive Level: -10dBm (with PER < 8%)
- Data Rates With Automatic Fallback: 54Mbps - 1Mbps
- Modulation Techniques: OFDM, DSSS, CCK, DQPSK, DBPSK, 64 QAM, 16 QAM

SECURITY

- IEEE 802.11 - PSK with AES Encryption 128-bit

ENCRYPTION

- 128-bit AES Rijndael encryption

NETWORK RANGE

- Gateway/Expander to Locks: Clear field range 500'. Typical indoor range, Networkx 75- 175'; ArchiTech Networkx 50 -125'. *Note: Actual range varies with building construction.*
- Gateway/Expander to Expander: Clear field range 500'. Typical indoor range, 75 - 175'. *Note: Actual range varies with building construction.*

AL RADIO LINK

- 900 MHz GFSK
- 50 Channels
- 10 mW power output

POWER - PROVIDED BY UL LISTED CLASS 2 TRANSFORMER

- Peak Supply Current: 650 mA
- Input Voltage: 5 - 6 volts AC

AVERAGE POWER CONSUMPTION

- 1300 mW (WLAN mode; maximum data rate)
- 300 mW (WLAN mode; idle)
- 750 mW (Ethernet Mode)

ENVIRONMENTAL

- Operating Temperature: -20° to 60°C (-4° to 140°F)
- Storage Temperature: -40° to 85°C (-40° to 185°F)

PHYSICAL CHARACTERISTICS

- Enclosure Size 4.5"H x 6.0"W x 1.94"D, 0.5lbs.
- Weight 0.5lbs.

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