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NetLinx® Controllers

NI-3100 NetLinx® Integrated Controller



With the ability to integrate a large number of devices, the NI-3100 controls a wide variety of components including audio/video conferencing, projectors, DVD and blu-ray players, lights, thermostats and other electronic equipment found in larger areas. With these technology-driven environments, the NI-3100 also provides solutions for future expansion and enables the addition of more devices and control capabilities. Offers higher performance with an ultra-fast processor, 64MB of onboard RAM and is AMX Device Discovery enabled.

COMMON APPLICATION

The NI-3100 unit is ideally suited to the requirements of larger areas or multiple rooms with advanced control and automation features.

FEATURES

- 7 Configurable RS-232 / RS-422 / RS-485 Serial ports
- 8 Relays
- 8 IR / Serial ports
- 8 Digital I/O ports
- 2 Communication Networks: AxLink and Ethernet (TCP/IP)
- 404 MIPS processor speed
- 64 MB RAM or 256 MB RAM
- 2 GB CompactFlash (upgradeable to 4 GB)
- 1 MB Non-Volatile Memory
- AMX Device Discovery enabled
- JITC Compliant



NI-3100 Controller
 NI-3100/256 Controller with 256 MB RAM
 NI-3100/ICS Controller with ICSNet
 NI-3100/256/ICS Controller with 256 MB RAM

(FG2105-05)
 (FG2105-25)
 (FG2105-15)
 (FG2105-35)

DIMENSIONS (HWD)

- 3 1/2" x 17" x 3 1/2" (8.8 cm x 43.2 cm x 8.8 cm)
- RU: 2

WEIGHT

4.55 lbs (2.06 kg)

POWER

900 mA @ 12 VDC

ENCLOSURE

Metal with black matte finish

MEMORY

- 64 MB SDRAM (FG2105-05 & FG2105-15)
- 256 MB SDRAM (FG2105-25 & FG2105-35)
- 1 MB of Non-volatile SRAM

COMPACT FLASH

2 GB Compact Flash (upgradeable to 4 GB factory programmed)

ONBOARD MASTER

404 MIPS

CERTIFICATIONS

FCC Part 15 Class B, CE, and IEC 60950

FRONT PANEL COMPONENTS:

- LINK/ACT
- Status: Green LED blinks to indicate that the system is programmed and communicating properly
- Output: Red LED blinks when the Controller transmits data, sets channels and sends data strings, etc.
- Input: Yellow LED blinks when the Controller receives data from button pushes, strings, commands, channel levels, etc.
- RS-232/422/485 LEDs
- Relay LEDs
- IR/Serial LEDs
- I/O LEDs
- Rack-mount brackets: Provides an installation option for the Integrated Controller to be mounted into an equipment rack, when used with the Installation Kit (KA2105-01)

REAR PANEL COMPONENTS

- RS-232/422/485 (Ports 1 - 7)
- ICSNet: Two RJ-45 connectors for ICSNet interface (provided by ICSNet daughter card)

- ICSHub Out: RJ-45 connector provides data to a Hub connected to the Controller (provided by ICSNet daughter card)
- Relay (Port 8)
- Digital I/O (Port 17)
- IR/Serial (Ports 9-16)
- Program Port
- Configuration DIP Switch: Sets the communication parameters for the Program port
- ID Pushbutton
- Ethernet Port: RJ-45 port for 10/100 Mbps communication. LEDs show communication activity, connection status, speeds, and mode information: - SPD (speed) - Yellow LED lights On when the connection speed is 100 Mbps and turns Off when the speed is 10 Mbps. - L/A (link/activity) - Green LED lights On when the Ethernet cables are connected and terminated correctly, and blinks when receiving Ethernet data packets.
- AxLink LED
- AxLink Port: 4-pin 3.5 mm mini-Phoenix (male) connector that provides data and power to external control devices
- Power Port: 2-pin 3.5 mm mini-Phoenix (male) connector

ENVIRONMENTAL

- Operating Temperature: 0° C (32° F) to 50° C (122° F)
- Operating Humidity: 20% to 85% RH
- Heat Dissipation (Typical): 36.9 BTU/hr

INCLUDED ACCESSORIES

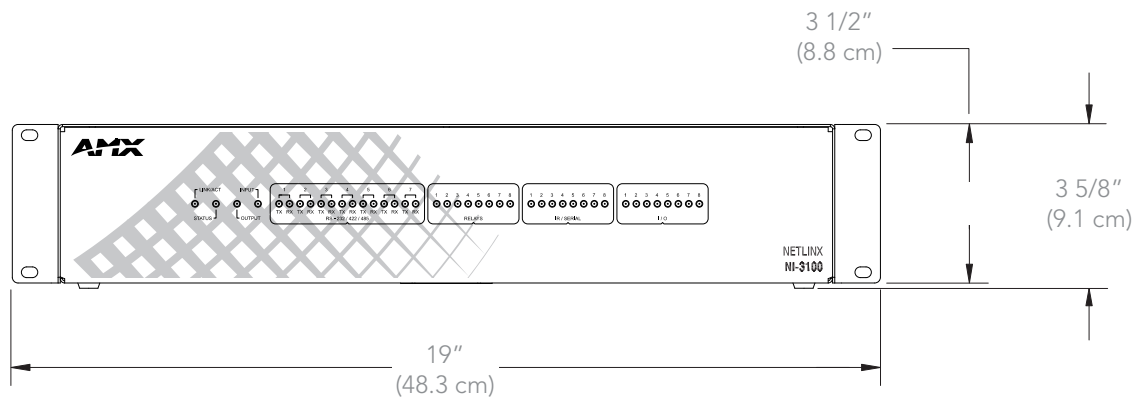
- 2-pin 3.5 mm mini-Phoenix (female) PWR connector (41-5025)
- 4-pin 3.5 mm mini-Phoenix (female) AxLink connector (41-5047)
- 10-pin 3.5 mm mini-Phoenix (female) I/O connector (41-5107)
- Two 8-pin 3.5 mm mini-Phoenix female Relay connectors (41-5083)
- Two CC-NIRC IR Emitters
- Two removable rack ears (62-2105-06)

RECOMMENDED ACCESSORIES

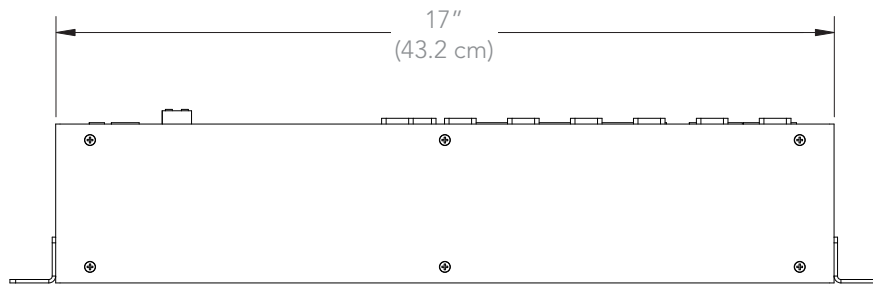
- PSN6.5 - 6.5 A Power Supply (F423-41)
- PSN4.4 - 4.4 A Power Supply (F423-45)
- NXA-ICSNET - NetLinx ICSNet Communication Network Card (FG2105-10)
- NXA-CF2NI - CompactFlash Upgrade (FG21116-XX)
- CC-232 - RS-232/422 Cables (FG10-752-04)
- CC-NIRC - IR Cables (FG10-000-11)



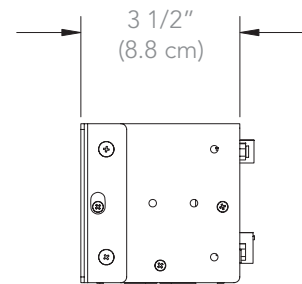
IT'S YOUR WORLD. TAKE CONTROL.



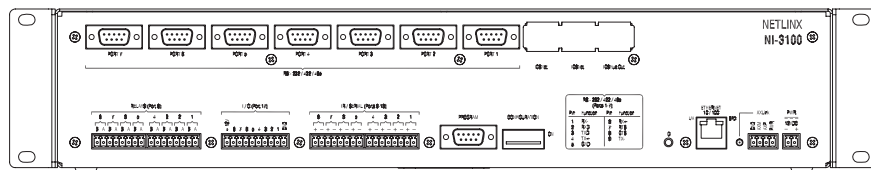
NI-3100
(Front View)



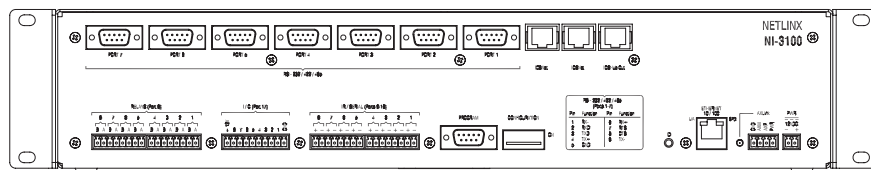
NI-3100
(Top View)



NI-3100
(Right View)



WITHOUT OPTIONAL ICSNET CARD INSTALLED
(Back View)



WITH OPTIONAL ICSNET CARD INSTALLED
(Back View)



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