ARCHITECTURAL SPECIFICATIONS

Netlinx Integrated Controller

NX-3200 (FG2106-03)

SUMMARY

- Next Generation Netlinx Integrated Controller provides a scalable platform for the future by combining high performance, backward compatibility, and extensive network security features.

ONBOARD MASTER REQUIREMENTS

- Controller must have USB host port for upgrading firmware, loading code, copying configuration data, and remote storage. Controller without the USB host port and listed features will not be accepted.
- Controller must support flexible programming platforms such as Rapid Project Maker, Netlinx, and Java). Controllers lacking the flexibility of programming will not be accepted.
- Controller must have a minimum of 1600 MIPS. Controller without the minimum speed requirements will not be accepted.
- Controller must have status indicators. Controller without status indicators to indicate the system is communicating properly will not be accepted.

MEMORY REQUIREMENTS

- Controller must have a minimum of 1MB of non-volatile RAM. Controller without the minimum NVRAM will not be accepted.
- Controller must have a minimum of 1GB of available storage to the user. Controller without the minimum storage requirement will not be accepted.
- Controller must support external USB solid state drives for additional storage. Controllers without external USB support will not be supported.

NETWORK REQUIREMENTS

- Controller must have a minimum of one ICSLan ports enabling discrete networks and increased security. Controllers without an ICSLan port will not be accepted.
- Controller supports IPv6. Controllers without support of IPv6 will not be accepted.
- Controller supports 802.1x and HTTPS. Controller without support of advanced security integration.

CONTROL PORT REQUIREMENTS

- Controller must have standardized port numbering throughout entire NX controller family. Controllers without standardized port numbering will not be accepted.
- Controller must provide real time feedback on serial and IR ports that are disconnected or improperly wired. Controllers without enhanced diagnostics for serial and IR ports will not be accepted.
- Controller must have a minimum of two AxLink communication ports. Controller without AxLink ports will not be accepted.
- Controller must have a minimum of two 10 position serial port. Controller not meeting the requirement will not be accepted.
- Controller must have a minimum of six 5 position serial port. Controller not meeting the requirement will not be accepted.
- Controller must have a minimum of eight 2 position infrared/serial ports. Controller not meeting the requirement will not be accepted.
- Controller must have a minimum of eight contact closure ports. Controller not meeting the requirement will not be accepted.
- Controller must have a minimum of eight relay ports. Controller not meeting the requirement will not be accepted.

PRODUCT IDs

- The controller shall be manufactured by AMX and shall be NX-3200.

TECHNICAL SPECIFICATIONS

DIMENSIONS

- 1 3/4” x 17” x 9 1/8” (44.85 mm x 431.80 mm x 231.64 mm)

WEIGHT

- 6.08 lb. (2.758 Kg)

REGULATORY COMPLIANCE

- FCC CFR Title 47 Part 15
- CE EN 55022
- CE EN 55024
- CE EN 60950-1
- IEC 60950-1
- UL 60950-1
- C-Tick CISPR 22
- IC CISPR 22

- VCCI CISPR 22
- RoHS / WEEE compliant

INCLUDED ACCESSORIES

- 2-pin 3.5 mm mini-Phoenix (female) PWR connector (41-0002-SA)
- 4-pin 3.5 mm mini-Phoenix (female) AxLink connector (41-5047)
- (2)10-pin 3.5mm mini-Phoenix female RS232/422/485 connectors (41-5107)
- (6) 5-pin 3.5mm mini-Phoenix female RS232 connectors (41-0336)
- (2) 6-pin 3.5 mm mini-Phoenix female I/O connector (41-5063)
- (2) 8-pin 3.5 mm mini-Phoenix female Relay connector (41-5083)
- (2) CC-NIRC IR Emitters
- (2) Removable rack ears

ACTIVE POWER REQUIREMENTS

- Power Connector (1) 2-pin, 3.5mm Phoenix with retaining screws
- DC current Draw 400 mA @ 12 VDC
- Voltage DC Range 9 - 18 VDC
- Active Power Consumption 6.6W

ENVIRONMENTAL

- Temperature (Operating) 0° C to 50° C (32° F to 122° F).
- Temperature (Storage) -10° C to 60° C (-14° F to 140° F).
- Humidity (Operating) 5% to 85%, non-condensing

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