netlinx®
enhanced master-ethernet card/module

The NetLinx Master260/64 Card delivers the ultimate in control system performance. Able to react over 50 times faster than conventional control masters, Master260/64 operation revolves around a rocket-fast 257 MIPS ColdFire® processor. Ethernet networking is built right onboard, and the standard 32MB Compact Flash memory can expand to 1G and beyond.

The NXC-ME260/64 Masters incorporated built-in security for: HTTPS and Terminal sessions (enhanced with SSL and SSH respectively), ICSP data verification/encryption, and Server Port configuration. By using both SSL certificate verification and encryption over a secured HTTP (HTTPS) connection, the ME260/64 provides users with a more convenient Web-based method of securing both the Master and its data communications. Additional features include the use of both authentication protocols and the ability to perform online NetLinx Diagnostics via the Web server.

Security features for the NXC-ME260/64 Masters Include:
- Enhanced Username and Password authentication
- HTTPS and SSL certificate interaction
- Use of a pre-installed AMX SSL certificate
- ICSP communication and encryption

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NXC-ME260/64 MODULE (FG2010-64)
- Incorporates the functionality of all previous NetLinx Master Cards (NXC-M, NXC-ME and NXC-MPE)
- Code-crunching power: 32-bit microprocessor, Real-time operating system, 32 MB Compact Flash memory, Compact Flash II memory slot accepts CFI and CF II memory expansion to 1 GB and beyond
- Triple bus networking:
  AXLINK - 4-wire network (20.8 kbps) connects up to 255 Axcess devices, operates over up to 3,000 feet of wiring and supplies 12 VDC power
  ICSNET - Category 5 network connects up to 32,000 devices, operates over 1,000 feet of wiring for each ICSNet port, supplies 12VDC power for ICSNet devices
  ICSHUB - Category 5 network (625 kbps) serves as the backbone of the ICSNet network. HubLink data is fully regenerated for up to 1,000 feet at each Hub Out connection, does not supply DC power

ETHERNET
- Networks at true 10/100baseT speed
- Onboard Ethernet Processor - Direct 10/100baseT Ethernet networking
- Installs in NetLinx CardFrame, Integrated Controller, or in NXC-MHS NetLinx Module enclosure

MEMORY
- Compact Flash: 32 MB standard (upgradeable)
- Volatile: 64 MB
- Non-volatile: 1 MB

POWER
- 750 mA @ 12 VDC

DIMENSIONS (HWD)
- Card: 1.50" x 5.55" x 9.25"
  (3.81 cm x 14.10 cm x 23.50 cm)
- NXS-MHS Module: 1.50" x 5.55" x 9.73"
  (3.81 cm x 14.10 cm x 24.71cm)

ENCLOSURE
- Metal with black matte finish

OPTIONAL ACCESSORIES
- 12 VDC power supply (PSN6.5, PSN2.8)
- AC-RK Accessory Rack Kit (Module)

WEIGHT
- Card only: .55lbs (.25kg)
- With MHS module: 1.5lbs (.68kg)

FRONT PANEL
PROGRAM PORT
- DB-9 (male) connector that supports RS-232 communications to your PC for system programming and diagnostics

LEDS
- Status: Green LED blinks to indicate that the system is programmed and communicating properly
- Output: Red LED blinks when the Master Card transmits data, sets channels On/Off, sends data strings, etc.
- Input: Yellow LED blinks when the Master Card receives data from button pushes, strings, commands, channel levels, etc.

BLINK PATTERNS FOR LEDS
- The front panel LEDs also display blink patterns when a mode is activated

PROGRAM PORT DIP SWITCH
- 8-position DIP switch located behind the front panel for setting the baud rate for the Programming port.
- Baud rate settings are: 9600, 38,400 (default), 57,600, and 115,200 (bps)

ETHERNET PROTOCOLS USED BY ME260/64
ICSP
- Peer-to-peer protocol used for both master-to-master and master-to-device communications

ICMP
- To connect over a network, you must be able to ping an ME260/64

TELNET
- The NetLinx telnet server provides a mechanism to configure and diagnose a NetLinx system

HTTP
- The Master has a built-in Web server that complies with the HTTP 1.0 specification and supports all of the required features of HTTP v1.1

FTP
- The NXC-ME260/64 has a built-in FTP server that conforms to RFC959

!-INTEGRATION! SOLUTIONS
- The Integration! Solution feature uses port 10500 for the XML based communication protocol

REAR PANEL
PWR CONNECTOR
- 2-pin (male) green captive-wire connector for 12 VDC power supply

EXPANSION SLOT PORT
- RJ11 connector connects to an AXB-SPE Server Port Expander

ETHERNET 10/100 PORT
- RJ-45 Ethernet 10/100 connector. The Ethernet Port automatically negotiates the connection speed (10 Mbps or 100 Mbps) and whether to use half duplex or full duplex mode

ETHERNET 10/100 LEDS
- A-activity: Yellow LED blinks when receiving Ethernet data packets
- L-link: Green LED lights when the Ethernet cables are connected and terminated correctly
- SPEED: Green LED lights when transmitting data at 100 Mbps and is Off when transmitting at 10 Mbps
- FD-full duplex: Green LED lights when running in full duplex mode and is Off when running at half duplex mode

AXLINK CONNECTOR
- Black 4-pin (male) captive-wire connector that provides data and power to external control devices (6 A max power rating)

AXLINK STATUS LED
- Green LED blinks to show AXlink and expansion port activity

PROGRAM PORT
- 5-pin (male) gray connector for system programming and diagnostics

ICSNET CONNECTORS
- 2 RJ-45 connectors that provide power (500 mA) and data to external ICSNet devices

ICSNET LEDS
- Green LEDs that light when receiving data on that port

ICSHUB IN/OUT CONNECTORS
- 2 RJ-45 connectors that provide data to other Hubs connected to the Master Card
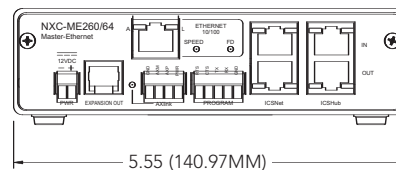
ICSHUB IN/OUT LEDS
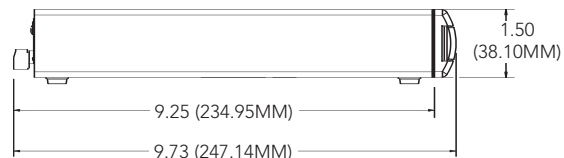- Yellow LEDs that light when receiving data on that port

NXC-ME260/64 (Internal View)

NXC-MHS (shown without a Netlinx Hub Card or Master)

5.55 (140.97MM)

NXC-ME260/64 (Rear View)

1.50 (38.10MM)

9.25 (234.95MM)

9.73 (247.14MM)

NXC-ME260/64 (Left Side with Bezel)

IT'S YOUR WORLD. TAKE CONTROL.