netlinx® ICSNet and ICSHub cards

NXC-NH NetLinx ICSNet Hub, NXC-HS NetLinx ICSHub Server and NXC-HE NetLinx ICSHub Expander cards are key components to comprehensive, far-reaching AMX control. These cards are engineered to seamlessly distribute ICSP (Internet Control System Protocol) data and NetLinx ICSNet control throughout the NetLinx Control System.

ICSP Packets move between different kinds of networks, including Internet, Ethernet and the NetLinx ICSNet control bus managed by the cards. ICSNet operates as a dedicated control network, which uses Echlon™ Neuron® technology to transmit high-speed data.

NetLinx ICSNet Hub, NetLinx ICSHub Server and NetLinx ICSHub Expander cards can extend control up to 1,000 feet. By fully regenerating data at every distribution point, they support control systems of virtually any size over long distances.

netlinx® ICSNet and ICSHub cards

NXC-NH(FG2060)

ICSNET HUB CARD
- Distributes ICSNet data and power to other NetLinx devices
- Manages up to 8 independent ICSNet wiring runs using Echelon technology
- Handles wiring runs of up to 1,000 feet for each ICSNet run
- Links to NetLinx Master and Hubs via ICSHub networking
- Accepts ICSHub data, regenerates new ICSHub data link for up to 1000 feet
- Employs industry-standard Category 5 wiring connections
- May be installed in a NetLinx CardFrame, Integrated Controller or NetLinx enclosure

CONNECTIONS AND LEDS
- PWR Connector: 2-pin 12 VDC power connector (green); supply depends on load
- PWR LED: Green LED lights to indicate power
- ICSNet Out connectors: 8 RJ-45 connectors that supply power and data to external ICSNet devices. 500 mA max draw
- ICSNet LEDs: Green LEDs (one per port) blink when sending data on the associated ports
- ICSHub In/Out connectors: RJ-45 connector that supply data to other ICSHubs connected to the Master Card. The OUT port of one ICSHub must be connected to the IN connector of a downstream ICSHub module or card
- ICSHub In/Out LEDs: Yellow LEDs blink when receiving data on the associated In/Out ports

POWER
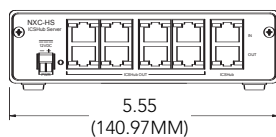- 180 mA @ 12 VDC

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 (optional): 1.50" x 5.55" x 8.75" (9.28" with faceplate) (3.81 cm x 14.10 cm x 22.23cm (23.57 cm with faceplate))

OPTIONAL ACCESSORIES
- 12 VDC: Power Supply (PSN6.5, PSN2.8)
- AC-RK: Accessory Rack Kit
- NXS-MHS: Module (FG2009)

WEIGHT
- 26 oz. (737 g)

NXC-HS (FG2061)

ICSHUB SERVER CARD
- Distributes ICSHub data and power to other NetLinx Master and Hubs
- Accepts Incoming ICSHub data, regenerates new Outgoing ICSHub data for up to 1000 feet
- May be installed in a NetLinx CardFrame, Integrated Controller or NetLinx enclosure

CONNECTIONS AND LEDS
- PWR Connector: 2-pin 12 VDC power connector (green); supply depends on load
- PWR LED: Green LED lights to indicate power
- ICSHub Out connectors: 9 RJ-45 ports for ICSHub data
- ICSHub Out LEDs: Yellow LEDs blink when receiving data on the associated OUT ports
- ICSHub In connector: RJ-45 connector that supplies data to other NetLinx Controllers and Hubs, and wired using a daisy-chain configuration
- ICSHub In LED: Yellow LED blinks when receiving data

POWER
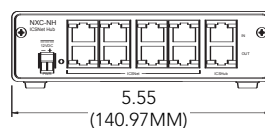- 160 mA @ 12 VDC

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 (optional): 1.50" x 5.55" x 8.75" (9.28" with faceplate) (3.81 cm x 14.10 cm x 22.23 cm (23.57 cm with faceplate))

OPTIONAL ACCESSORIES
- 12 VDC: Power Supply (PSN6.5, PSN2.8)
- AC-RK: Accessory Rack Kit
- NXS-MHS: Module (FG2009)

WEIGHT
- 26 oz. (737 g)

NXC- HE(FG2062)

ICSHUB EXPANDER CARD
- Links to NetLlinx Master and Hubs via ICSHub networking
- May be installed in a Netlinx Card Frame or Integrated Controller or NetLinx Module enclosure.

CONNECTIONS AND LEDS
- PWR Connector: 2-pin 12 VDC power connector (green); supply depends on load
- PWR LED: Green LED lights to indicate power
- ICSHub In/Out connectors: RJ-45 connectors that supply data to other Hubs connected to the Master Card, and wired using a daisy-chain configuration.
- ICSHub In/Out LEDs: Yellow LEDs blink when receiving data on the associated In/Out ports

POWER
- 110 mA @ 12 VDC
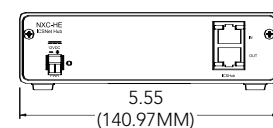
DIMENSIONS (HWD)
- Card: 1.50" x 5.55" x 9.25" (3.81 cm x 14.10 cm x 23.50 cm)
- NXS-MHS Module (optional): 1.50" x 5.55" x 8.75" (9.28" with faceplate) (3.81 cm x 14.10 cm x 22.23 cm (23.57 cm with faceplate))

OPTIONAL ACCESSORIES
- 12 VDC: Power Supply (PSN6.5, PSN2.8)
- AC-RK: Accessory Rack Kit
- NXS-MHS: Module (FG2009)

WEIGHT
- 26 oz. (737 g)

5.55
(140.97MM)

NXC-HS

5.55
(140.97MM)

NXC-NH

5.55
(140.97MM)

NXC-HE

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