DNC Max7
When reliability matters
Data Sheet for cable DNC connectivity with RS232 Hub

The Ethernet Serial Port Hub is similar in function to an RS-232 multiport card. But whereas a multiport card must be installed in your PC, the hub simply connects to your Ethernet network. The DNC-Max software will "see" the hubs serial ports across your network even though they are physically located elsewhere.

The RS232 hubs are available with 16 ports and the DNC system can be expanded by simply adding more hubs into the system.

The RS232 hub is sited in a central area of the shop floor. An RS232 cable is then run from the hub to each machine control. The hub is rack mounted along with a patch panel into a cabinet. Each RS232 hub is then connected to your network and given a unique IP address.

Using hubs makes the cabling of the system easier by reducing the distance the cables need to be run.
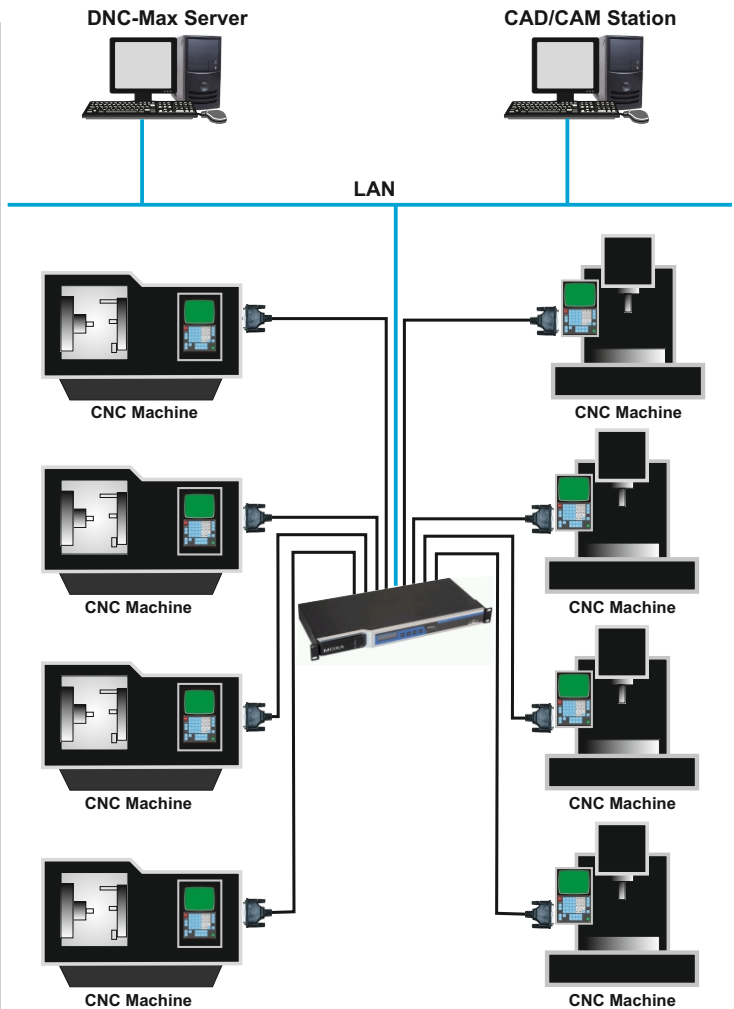
RS232 Hub and Patch Panel all neatly installed in Cabinet

LAN
Ethernet: 1 10/100 Mbps, RJ45
Protection: Built-in 1.5 KV magnetic isolation

Optical Fiber (Network Module)
Distance:
Multi mode: 0 to 2 km, 1310 nm (62.5/125 ìm, 500 MHz*km)
Single mode: 0 to 40 km, 1310 nm (9/125 ìm, 3.5 PS/(nm*km))
Min. TX Output:
Multi mode: -20 dBm, Single mode: 0 to 40 km, -5 dBm
Max. TX Output:
Multi mode: -14 dBm, Single mode: 0 to 40 km, 0 dBm
Sensitivity: Multi mode: -34 to -30 dBm,
Single mode: -36 to -32 dBm

Serial
No. of ports: 8 (NPort 6650-8), 16 (NPort 6650-16)
Interface: RS-232/422/485, RJ45 (8 pins)

Serial Communication Parameters
Parity: None, Even, Odd, Space, Mark
Data bits: 5, 6, 7, 8
Stop bits: 1, 1.5, 2
Flow control: RTS/CTS, XON/XOFF
Speed: 50 bps to 921.6 Kbps
Console Ports: RS-232 console x1 (port 1)

DNC-Max Server

CAD/CAM Station

LAN

CNC Machine

Storage: One SD socket

Software Features
Protocols: ICMP, IP, TCP, UDP, DHCP, BOOTP, Telnet, DNS, SNMP, HTTP, SMTP
Security Protocols: DES/3DES/AES
Utilities: NPort Search Utility for Windows 95/98/ME/NT/2000/XP/2003
OS Driver Support: Windows 95/98/ME/NT/2000/XP/2003/XP x64/2003 x64 COM driver, Linux real TTY driver, Unix
Configuration: Web/Serial/Telnet console

Power Requirements
Power input: 110 to 220 VAC/VDC input

Mechanical Specifications
Material: SECC sheet metal (1 mm)

Environmental
Operating Temperature: 0 to 55°C (32 to 131°F), 5 to 95% RH
Storage Temperature: -20 to 85°C (-4 to 185°F), 5 to 95% RH

Regulatory Approvals
EMC: CE: EN55022 Class A/EN55024
FCC: FCC Part 15 Subpart B, Class A
Safety: UL: UL60950-1, TÜV: EN60950-1

Warranty: 5 years

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