Moxa Nport 5150 Serial Device Server for Fx fire panels

Order number FFS08769317

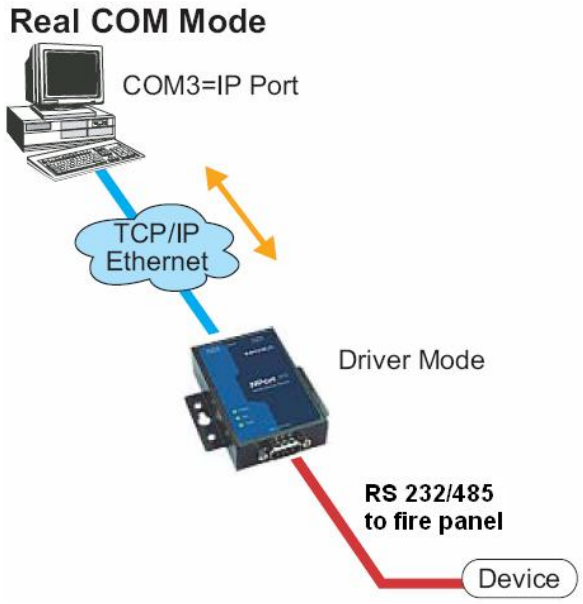
Moxa Nport 5150 is terminal server for one RS232/rs485 communication port and TCP/IP network.

Note ! In port configuration use only 1200 b/s

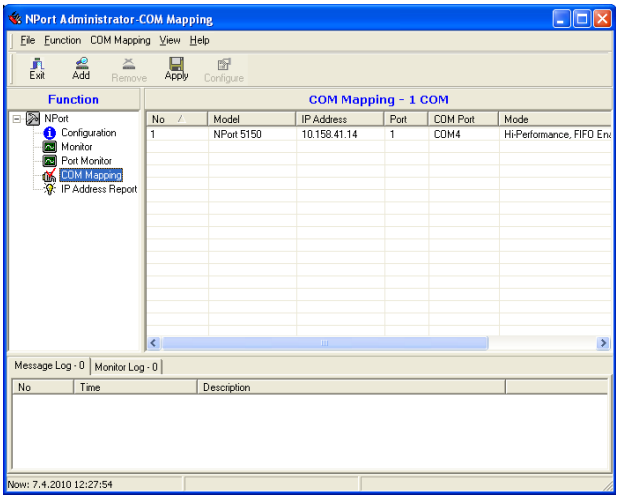
Note 2 In Moxa configuration set parameter FORCE TRANSMIT to 100ms (picture below)

When we are using com port mapping (virtual com port, software delivered with Moxa device), fire panel info protocol can be delivered via local area network.

With this feature Esgraf/Esmikko and OPC Server can communicate to fire panel remotely.



NPort Administrator is the program that creates virtual com port to your Esmikko or OPC Server computer. It locates automatically all Moxa devices connected in the local area network and gives virtual com port for each device. That com port can be used in Esmikko or OPC Server configuration



Specification

Ethernet Interface
Number of Ports: 1
Speed: 10/100 Mbps, auto MDI/MDIX
Connector: 8-pin RJ45
Magnetic Isolation Protection: 1.5 KV built-in

Serial Interface

Number of Ports: 1
Serial Standards:
NPort® 5150: RS-232/422/485
Connector: DB9 male
Serial Line Protection: 15 KV ESD protection for all signals
RS-485 Data Direction Control: ADDC® (automatic data direction control)
Pull High/Low Resistor for RS-485: 1 KΩ, 150 KΩ

Serial Communication Parameters
Data Bits: 5, 6, 7, 8
Stop Bits: 1, 1.5, 2
Parity: None, Even, Odd, Space, Mark
Flow Control: RTS/CTS and DTR/DSR (RS-232 only), XON/XOFF
Baudrate:
NPort® 5110: 110 bps to 230.4 Kbps
NPort® 5130/5150: 50 bps to 921.6 Kbps

Serial Signals
RS-232: TxD, RxD, RTS, CTS, DTR, DSR, DCD, GND
RS-422: Tx+, Tx-, Rx+, Rx-, GND
RS-485-4w: Tx+, Tx-, Rx+, Rx-, GND
RS-485-2w: Data+, Data-, GND

Software
Network Protocols: ICMP, IP, TCP, UDP, DHCP, BOOTP, Telnet, DNS,
SNMP V1/V2c, HTTP, SMTP
Configuration Options: Web Console, Serial Console (NPort®
5110/5150 only), Telnet Console, Windows Utility
Windows Real COM Drivers: Windows 95/98/ME/NT/2000, Windows
XP/2003/Vista/2008/7 x86/x64, Embedded CE 5.0/6.0, XP Embedded
Fixed TTY Drivers: SCO Unix, SCO OpenServer, UnixWare 7,
UnixWare 2.1, SVR 4.2, QNX 4.25, QNX 6, Solaris 10, FreeBSD, AIX
5.x, HP-UX 11i
Linux Real TTY Drivers: Linux kernel 2.4.x, 2.6.x

Physical Characteristics
Housing: Metal
Weight: 340 g
Dimensions:
Without ears: 52 x 80 x 22 mm (2.05 x 3.15 x 0.87 in)
With ears: 75.2 x 80 x 22 mm (2.96 x 3.15 x 0.87 in)

Environmental Limits
Operating Temperature:
Standard Models: 0 to 55°C (32 to 131°F)
Wide Temp. Models: -40 to 75°C (-40 to 167°F)
Operating Humidity: 5 to 95% RH
Storage Temperature: -20 to 85°C (-4 to 185°F)

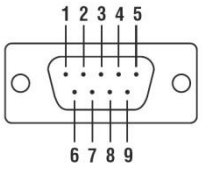
Power Requirements
Input Voltage: 12 to 48 VDC
Power Consumption:
NPort® 5150: 200 mA @ 12 V, 106 mA @ 24 V

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

Reliability
Automatic Reboot Trigger: Built-in WDT (watchdog timer)
MTBF (meantime between failures):
NPort® 5150: 246034 hrs

Pin Assignment

DB9 male connector



NPort® 5150 (RS-232/422/485)

PIN	RS-232	RS-422/485-4w	RS-485-2w
1	DCD	TxD-(A)	–
2	RxD	TxD+(B)	–
3	TxD	RxD+(B)	Data+(B)
4	DTR	RxD-(A)	Data-(A)
5	GND	GND	GND
6	DSR	–	–
7	RTS	–	–
8	CTS	–	–

Dimensions

NPort® 5150