

N3571 & N3771 Series

Bi-directional RS-232 and Multi-protocol DIP Selectable Data



Features

- · Surface mount technology
- · On-panel DIP switch selection of RS-422, RS-485 (2 or 4 wires), Manchester/Biphase
- · On-panel DIP activation of 120 Ohm termination resistor
- · LED indicators for monitoring of system operating status
- · Surge protection
- · Highest optical dynamic range
- · Immune to EMI and RFI
- · Dense structure for easy installation
- · Hot swappable rack mount cards
- · Automatic re-settable fuses, short circuit protection
- 12 VDC or 24 VAC power supply
- · Industry standard connectors
- · No user adjustments required

Description

Infinova's N3571 and N3771 series provides the ability to transmit and receive one RS-232 and one DIP selectable data (RS-422, RS-485, Manchester or Biphase) over one or two fibers.

Modular in design, the N3571 and N3771 series can be rack-mounted or used as stand-alone module. Rack mounting requires the N3910 series subrack chassis. Stand-alone module used the N3910-1S and can be placed on a desktop or mounted to a wall.

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Ordering Information

N3571XA-1D1B-M FO MM TRX, 1D IO +1 RS-232, Module,

12VDC/24VAC

N3571XA-1D1B-R FO MM TRX, 1D IO +1 RS-232, Card, 1-Slot

N3571XB-1D1B-M FO MM TRX, 1D IO +1 RS-232, Module,

12VDC/24VAC

N3571XB-1D1B-R FO MM TRX, 1D IO +1 RS-232, Card, 1-Slot

N3771XA-1D1B-M FO SM TRX, 1D IO+1 RS-232, Module,

12VDC/24VAC

N3771XA-1D1B-R FO SM TRX, 1D IO+1 RS-232, Card, 1-Slot

N3771XB-1D1B-M FO SM TRX, 1D IO+1 RS-232, Module,

12VDC/24VAC

N3771XB-1D1B-R FO SM TRX, 1D IO+1 RS-232, Card, 1-Slot

Fiber Type	Optical Budget (dB)	Wavelength (nm)	Range (km)
Multi-mode	12	1310/1310	4.4
Single-mode	20	1310/1550	25
	*Higher output lasers available for range over 25km		

Note:

- Distance is limited to fiber loss, splices, chromatic dispersion and bandwidth
- Range estimates are based on 1.0dB/km @ 1310nm on MM fiber, 0.35dB/km @1310nm and 0.25dB/km @1550nm on SM fiber, and include a 3dB safety factor
- 3. Range estimates for multimode are based on 500MHz/km fiber

Accessories

Power Supply

N3921-12D-1: 12 VDC (120 VAC), 10 VA N3921-12D-2: 12 VDC (230 VAC), 10 VA N3921-24A-1: 24 VAC (120 VAC), 20 VA N3921-24A-2: 24 VAC (230 VAC), 20 VA

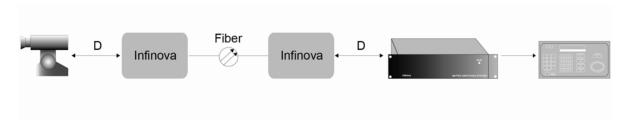
Applications

- · Smart buildings
- · Security and surveillance
- · Intelligent transportation system
- · Highway surveillance system

Configurations

- · Compact 1 slot modules and 1 slot card units
- 18 slots per 19" x 3U subrack; 100 W / 250 W power supply
- 15 slots per 19" x 3U subrack; 100 W / 250 W dual power supply

System Diagram





Specifications

	Multi-mode			
	Output Power	-15dBm (typical)		
	Receiver Sensitivity	-27dBm (typical)		
	Wavelength	1310/1310nm		
	Connector	ST		
Optical Performance	Single-mode			
	Output Power	-10dBm (typical)		
	Receiver Sensitivity	-30dBm (typical)		
	Wavelength	1310/1550nm		
	Connector	FC		
Data Performance	Data Rate	DC to 115.2kbps		
Data Performance	Bit Error Rate	<10 ⁻⁹		
	Power On	Red		
LED Indicators	Optical Link Loss	Red		
	Data Input/Output	Green		
	Operating Temperature	-40°F ~ 167°F (-40°C ~ 74°C)		
	Storage Temperature	-40°F ~ 185°F (-40°C ~ 85°C)		
	Operating Humidity	0 ~ 95% RH (non-condensing)		
	Card Dimensions (W xH xD)	0.79" x 5.08" x 6.57" (20mm x 129mm x 167mm)		
General Parameters	Module Dimensions (W xH x D)	0.94" x 6.22" x 7.76" (24mm x 158mm x 197mm)		
	Power Consumption	1.9W		
	Card Weight	0.82lbs. (0.37kg)		
	Module Weight	1.57lbs. (0.71kg)		
	Mean Time Between Failures	>100,000 Hrs		
	N3571	FCC: Part 15 Subpart B, Class A		
		(Certificate No.: RSZ07070303)		
		CE/EMC: EN 55022, EN 55024		
		(Certificate No.: RSZ07070303-1, RSZ07070303-2)		
Certifications	N3771	FCC: Part 15 Subpart B, Class A		
Continuations		(Certificate No.: RSZ08041602)		
		CC/CMC, CN 55000 CN 55004		
		CE/EMC: EN 55022, EN 55024 (Certificate No.: RSZ08041602-1, RSZ08041602-2)		
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	ISO 9001:2008			