

# NI-860

## Ethernet to Fibre Converter Card

### APPLICATIONS

- Optic/Electric conversion
- 10/100/1000Base-T data transmission
- Connecting remote monitoring system

### Fiber optic media converter for 10/100/1000Mbps Ethernet.

The Nimbra 140 portfolio NI-860 module is an electric/optic media converter for multi-rate Ethernet data. It converts from copper twisted pair 10Base-T, 100Base-T or 1000Base-T data to fibre optic 100Base-FX or 1000Base-FX and is a good complement to the 3G/HD/SD-SDI O/E modules in the series for a mix of traffic profiles. It provides two channels of full duplex data transmission with 10/100/1000Base-T auto-negotiation. Data isolation transformers are provided for the twisted pair input and output. LEDs provide power, network and fibre activity indication.

The NI-860 is well fitted for remote network monitoring access together with the NI-101 monitoring card or the newer NI-102 card for enhanced monitoring capabilities. It is fitted with an SFP cage for a choice of transceiver and transmitted wavelengths.

The Nimbra 140 Ethernet card is designed to retain maximum integrity of the signal path offering excellent jitter-free optical transport.

The NI-860 occupies a single slot in any of the Nimbra 140 MMS series chassis, Nimbra 143 (3RU), Nimbra 141 (1RU) or the 3-slot enclosure, NI-120.

Use the NI-860 Ethernet cards as a pair in both transmitting and receiving end.



# TECHNICAL SPECIFICATIONS

## Electrical Input/Output

Connector	RJ45
Number	1 channel
Format	Full duplex 100/1000Base-FX Data Transmission 10/100/1000BaseT half/full duplex auto-negotiation
Cable Reach	>100 m Cat-5 100 BaseT > 50 m Cat-5 1000 BaseT
Standard	IEEE 802.3 802.3 10 BaseT 802.3u 100 BaseT 802.3ab 1000 BaseT

## Optical Input/Output

Connector	SFP cage
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## General Card Specifications

Depth	60 mm
Width	20 mm 4TE
Height	129 mm (3RU)
Weight	100 g

Operating Temp	-30 to +70°C
Power	2.4 W
No. of slots	1
Signal detect	LED on for power LED on for network activity LED on for fibre activity

## Conformance

EMI/RFI	Complies with 2004/108/EC
Electrical	Complies with EN 61000-6-1, EN61000-6-2
RoHS	Complies with Directive 2002/95/EC

## Ordering Information

NPS0079-1401	NI-860. Singlemode Dual Fibre 10/100/1000 Base-T Ethernet to Fibre Converter Card with SFP cage.
NPK0028-1470	NI-860 kit including CWDM 1470 transceiver SFP
NPK0028-1490	NI-860 kit including CWDM 1490 transceiver SFP
NPA0023-xxxx	SFP Module STM-1/4/16 multirate LR, CWDM wavelengths

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