

OEI-2

OMNEO External Interface – 2

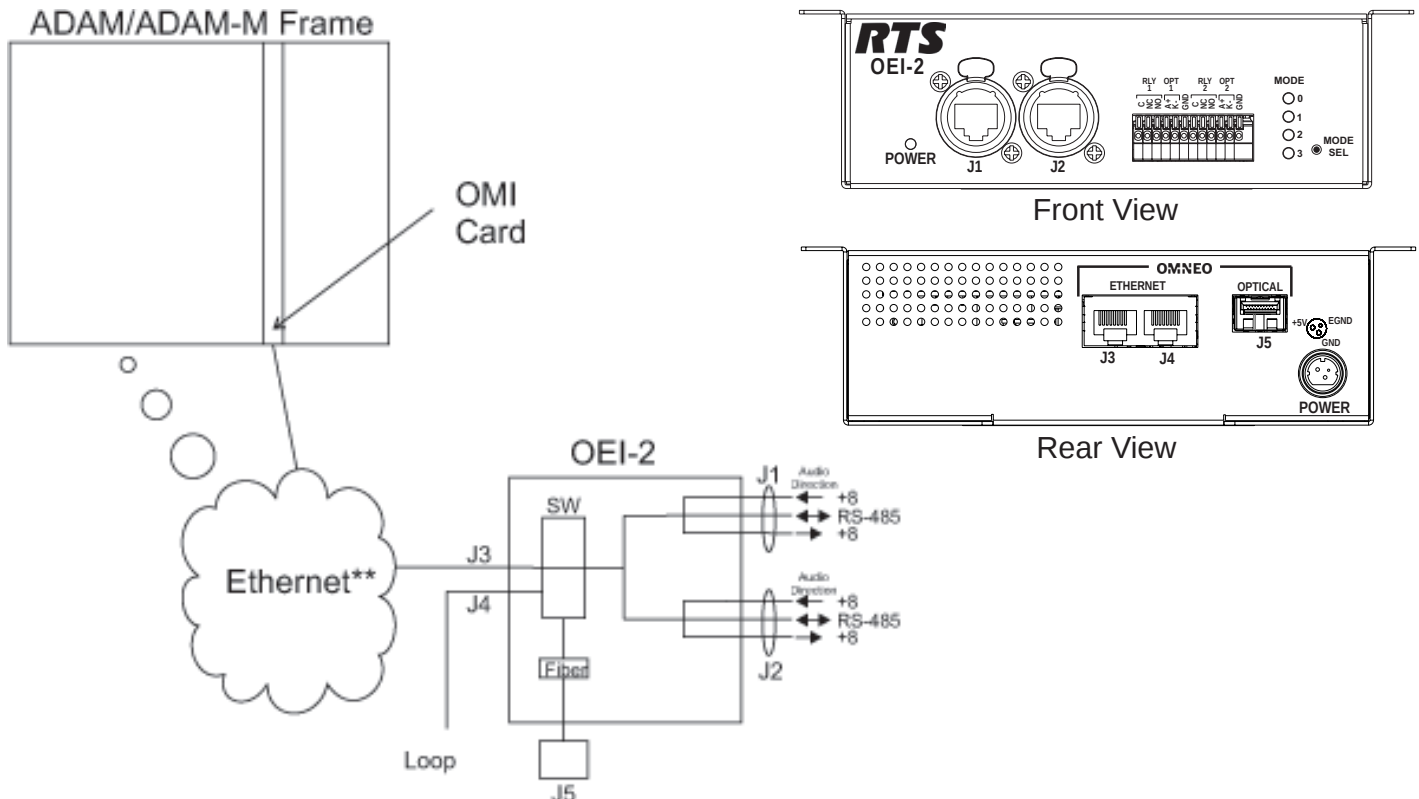
Offering the latest in state of the art technology, the OEI-2 enables connectivity between analog audio sources or legacy RTS keypanels and an OMNEO network. OMNEO sets the standard for the future of audio communications by offering high quality IP compatible audio, ultra low latency, and supports DHCP and Bonjour protocols. OEI-2 supports all RTS analog keypanels.



Features

- Provides an interface between legacy RTS keypanels and the OMI OMNEO interface cards for ADAM and ADAM-M units.
- Provides less than 20ms of audio latency in typical network installations.
- Provides a frequency response of 20Hz to 20KHz to the keypanel
- Supports DHCP and device discovery for easy set up and network management.
- Optional Fiber Connection - Multi-mode or Single-mode available.
- Supports CAT-5/5e and CAT-6 with dual Ethernet connectors for device looping.
- Supports compatibility with third-party Dante products.

Line Drawings



**the signal from the cloud to the OEI-2 can be either 1 or 2 OMNEO Channels

Specifications

General		Digital	
Dimensions	5.80in x 1.93in x 4.45in 147mm x 49mm x 113mm	Audio	
Weight	23.2 oz 658 gms	Frequency Response	20Hz to 20kHz; ± 0.1 dB
		System Gain	0dB
		Bandwidth	
		48kHz/24-bit per channel	2.59 Mbits/s
		Analog to OMI latency	20ms
		OMI to Analog latency	20ms
		Environmental	
		Storage Temperature	-4°F to 158°F (-20°C to 70°C)
		Operating Temperature	32°F to 131°F (0°C to 55°C)
		Certifications	
		EN 55022: 2010/AC:2011, Class A KN22 with RRA Notice No. 2013-3, Class A AS/NZS CISPR22: 2009 + A1: 2010, Class A FCC Part 15, Subpart B, Class A ICES-003, Issue 5: 2012, Class A VCCI V-3/2013.04, Class A EN 55024: 2010 KN 61000-4-2 with RRA Notice No. 2013-4 KN 61000-4-3 with RRA Notice No. 2013-4 KN 61000-4-4 with RRA Notice No. 2013-4 KN 61000-4-5 with RRA Notice No. 2013-4 KN 61000-4-6 with RRA Notice No. 2013-4 KN 61000-4-8 with RRA Notice No. 2013-4 KN 61000-4-11 with RRA Notice No. 2013-4 CSA C22.2 No. 60950-1-07 (2ND ED + AM 1) - Rev 2011/12/19 EN60950-1:2006 + A1:2010 + A11:2009 + A12:2011 - Rev 2011/01/01 IEC 60950-1 (2ND ED + AM1) - Rev 2009/12/01 UL 60950-1 (2ND ED + AM 1) - Rev 2011/12/19	
Power			
Requirement	5VDC, 2000mA		
Power Consumption @ 120VAC	21VA		
Power Consumption @ 220VAC	27VA		
Connections			
2 - RJ-45 Ethernet Connectors			
SFP Fiber Connector		LC Type	
General Purpose Inputs (1,2)			
Type	Optically coupled		
Input	Internal pull-up resistor to 5 VDC		
	External power source 5-18VDC		
General Purpose Outputs (1,2)			
Type	DPDT Relays with common, normal-open and normal-closed contacts		
Contact Ratings	1.0 Amp @ 30VDC		
Data Keypanel	RS485		
Analog			
Input			
Type	Balanced floating		
Level Nominal	8dBu		
Level Maximum	20dBu		
Impedance	10k Ω		
Output			
Type	Balanced floating		
Level Nominal	8dBu		
Level Maximum	20dBu		
Impedance	600 Ω		
THD+Noise	<0.1% (measured at 20-20kHz, +0dBu, unity gain)		

Order Information

- OEI-2 • OMNEO EXTERNAL INTERFACE 2-CHANNEL
- RP_OEI_PS_BRK • RP-OEI2 POWER SUPPLY MOUNTING BRACKET
- OMI-SM FIBER • SINGLE-MODE FIBER MODULE
- OMI-MM-FIBER • MULTI-MODE FIBER MODULE

The specification information is preliminary and is subject to change without notification.

For ordering information, contact your regional sales representative at:
<http://rtsintercoms.com/us/intercom/contact>

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