

ARNI G2

Audio Routed Network Interface

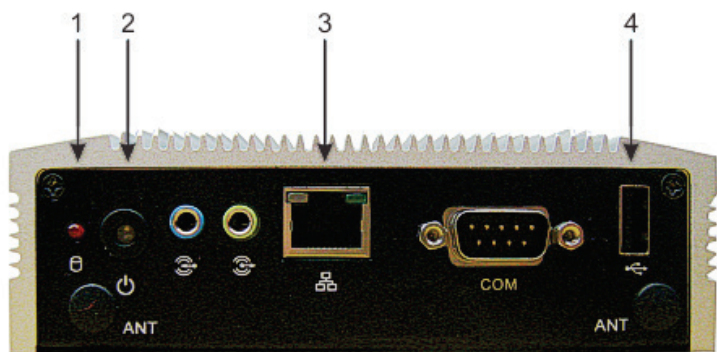
The **ARNI** (Audio Routed Network Interface) G2 component of an OMNEO system enhances the scalability of the system by its ability to act as a DHCP (Dynamic Host Configuration Protocol) server which eliminates the need to use the IPv4LL protocol. As a DHCP server, ARNI supports one (1) subnet when there is no DHCP server available. It can act as a DNS (Domain Name System) server, storing the DNS-SD (Domain Name System – Service Directory) records of nodes and responding to controller queries, meaning standard DNS can be used for DNS-SD and name resolving. ARNI also extends the use of PTP (Precision Time Protocol) over multiple IP (Internet Protocol) subnets by acting as a boundary clock, synchronized to a master clock using unicast PTP and acts as the clock master in its own subnet using multicast PTP to synchronize the OMNEO nodes.



Features

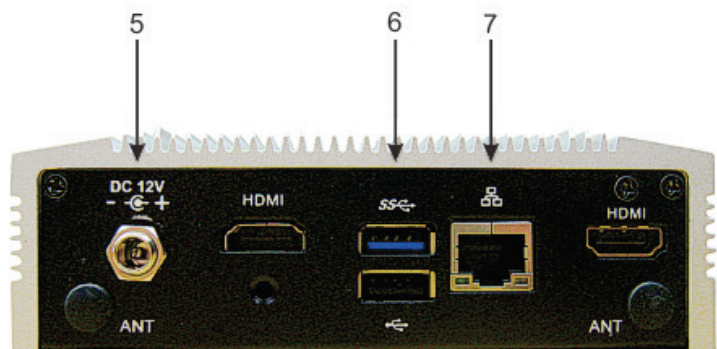
- Better scalability through the use of either a DHCP server or DNS server, which extends the use of PTP over multiple subnets
- Up to 450 devices on a single subnet and up to 40 subnets totaling 10,000 devices
- Two configuration options; ARNI-S G2 (standard) and ARNI-E G2(enterprise)
- Supports redundancy in both ARNI-S G2 and ARNI-E G2 configurations

Reference View



1. SSD LED indicator
2. Power LED indication
3. LAN port
4. USB port
5. DC Input – 2-postion header power supply connector
6. USB port
7. LAN Port

**The connectors not described are used for computer peripherals (monitor, keyboard, mouse, etc.)



Specifications

Processor System

CPU	Intel Celeron™ Processor J1900
	Quad Core 2.0 GHz SoC
Frequency.....	2.0 GHz
L2 Cache	2MB
System Chipset	7th Gen. Intel Graphic Core
BIOS	AMI EFI

Memory

Type.....	DDR2 400/533MHz
Max. Capacity.....	2GB
Socket.....	1 x 204-pin SO-DIMM

Ethernet

LAN 1.....	10/100/1000 Mbps Ethernet controller, support Wake On LAN
LAN 2.....	10/100/1000 Mbps Ethernet controller, support Wake On LAN

I/O Interface

Serial Interface	1 x RS-232
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USB Interface	2 x USB 2.0 ports & 1 x USB 3.0
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Storage

2.5" Drive Bay.....	1 x 2.5" SATA HDD Bay (Max Height 9.5mm)
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Power Requirement

Power Input Voltage	12VDC
Power Adaptor	AC to DC, DC 12V/36W

Power Consumption

Typical	15 Watt
Maximum.....	30 Watt

Mechanical

Construction	Aluminum housing
Dimensions (W x H x D)	133.8mm x 43.1mm x 94.2mm (5.27" x 1.7" x 3.71")
Weight	1.30lb (0.45kg)

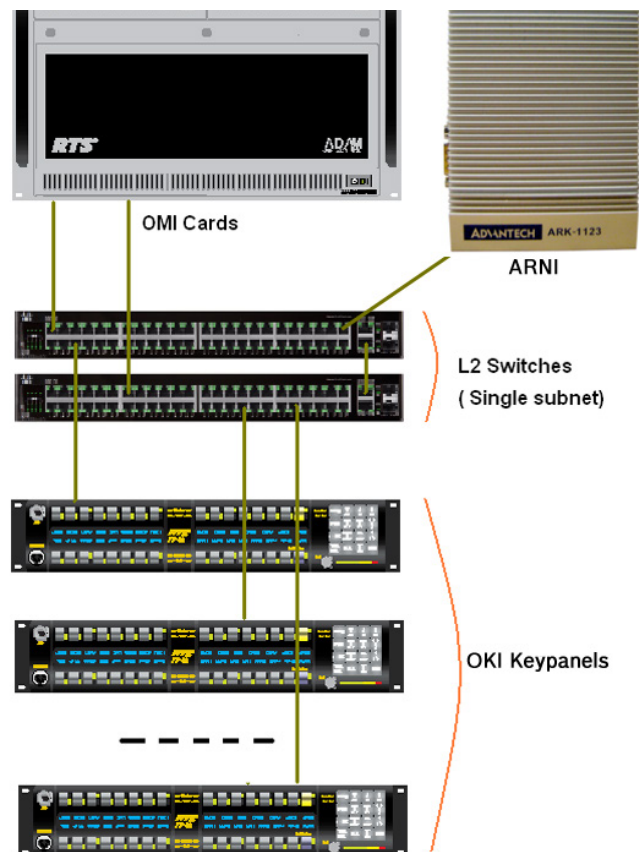
Environment

Operating Temperature	with extended temperature SSD/mSATA/RAM with 0.7 m/s
airflow:	-4°F–140°F (-20°C–60°C)
Storage Temperature.....	-40°F–185°F (-40°C–85°C)
Relative Humidity.....	95% @ 40°C (non-condensing)

Certifications

EMC.....	CD/FCC Class A, CCC, BSMI
Safety	UL, CCC, BSMI, CB

System Drawing



Order Information

- ARNI-S-G2 EURO • ARNI-S-G2 EURO
- ARNI-E-G2 EURO • ARNI-E-G2 EURO

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

Brand names mentioned are the property of their respective companies.

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