

# RTS DIGITAL PARTYLINE

## OMNEO MAIN STATION OVERVIEW



### OMS (OMNEO MAIN STATION)

**A hybrid IP/digital/analog main station for partyline intercom systems and the core component of a major new product family: RTS Digital Partyline.**

OMS is a communications multi-tool for a wide range of customers, including theaters, houses of worship, broadcast, AV rental, industrial facilities and entertainment/event venues. It is available in five licensed configurations to suit the user's budget and application requirements: Advanced, Intermediate and Basic digital (each with OMNEO); Analog Plus and Analog (main station options for analog-only partyline systems).

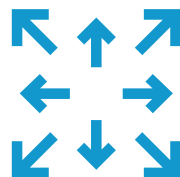
Presented in a compact 1RU enclosure, OMS is a uniquely versatile and cost-effective solution capable of interconnecting both wired/wireless and IP/digital/analog devices. Full TCP/IP connectivity is supported. Whereas current systems on the market offer analog-only, digital-only, proprietary or non-Dante-compatible products, OMS encapsulates the RTS philosophy of bridging all standards and formats.

#### A BRIDGE FROM ANALOG TO DIGITAL AND IP



Analog partyline users can enter the world of IP communications while extending the working life of their legacy equipment

#### SCALABLE



Available in five configurations to grow with the user's needs – upgrade via software license updates

#### VERSATILE

**OMNEO**  
onboard

**Dante™** **OCA<sup>AES70</sup>**  
OPEN CONTROL ARCHITECTURE

Converts between up to four different formats: OMNEO (Dante, AES70 and more), RVON, four-wire AIO and two-wire

### OMNEO IP TECHNOLOGY

Incorporating Dante (audio transport), AES70 (device control) and more – OMNEO allows OMS to interconnect with RTS Digital Matrix products (including ADAM, ADAM-M, ODIN, KP series keypanels and ROAMEO DECT wireless) and forthcoming new members of the RTS Digital Partyline family. OMS can therefore provide a path from legacy equipment to the latest technology, allowing users to migrate to the flexibility of an IP infrastructure without the complexity of a matrix system – all while protecting the investment value of their existing analog partyline hardware.



# OMS

OMNEO MAIN STATION

## AV RENTAL

STAFF

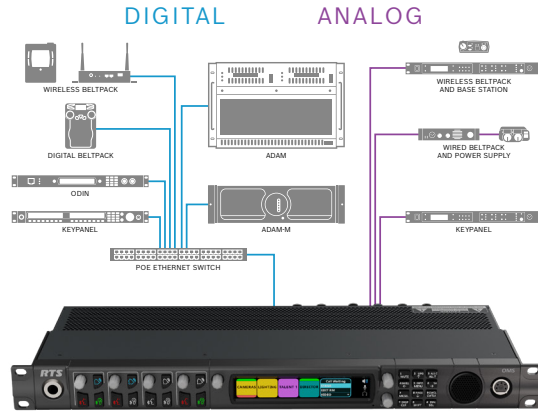
## BROADCAST

## ENTERTAINMENT

## HOUSES OF WORSHIP

## THEATER

## COMPREHENSIVE CONNECTIVITY



Software upgrades allow for increased capacity and functionality as needs evolve. Users requiring both analog and digital should upgrade to OMS Intermediate or OMS Advanced.

The fully equipped OMS Advanced version allows the user to convert between four different formats: OMNEO, RVON, four-wire AIO and two-wire. Up to 40 OMNEO devices may be connected, including ROAMEO beltpacks (for which OMS can also serve as a standalone base station), up to eight keypanels and up to 16 partylines. OMS Advanced supports four channels of RVON (RTS Voice Over Network) via RTS KP series keypanels, for robust remote networking with other RVON-capable equipment (RVON Trunking not supported). G.711, G.722 and G.729AB codecs are supported.

## I/O OVERVIEW



## GENERAL SPECIFICATIONS

<b>WIDTH X HEIGHT X DEPTH</b>	482.6 mm (446.1 mm w/o rack ears) x 43.7 mm x 196.1 mm (including connectors) 19" (17.56" w/o rack ears) x 1.7" x 7.72" (including connectors)
<b>WEIGHT</b>	2.4 kg (5.29 lbs)
<b>AC INPUT</b>	100 VAC – 240 VAC, 60/50 Hz, 0.46 A / 0.24 A
<b>MAX POWER</b>	30 W (based on 120 VAC)
<b>OPERATING TEMPERATURES</b>	0° C – 45° C (32° F – 113° F)
<b>STORAGE TEMPERATURES</b>	-20° C – 70° C (-4° F – 158° F)
<b>COMPLIANCE</b>	CE compliant, UL certified, PSE

	ANALOG	ANALOG PLUS	BASIC	INTERMEDIATE	ADVANCED
<b>DIGITAL BELTPACKS SUPPORTED</b>	0	0	20	20	40
<b>MAX OMNEO DEVICE CONNECTIONS</b>	0	0	20	20	40
<b>ROAMEO BELTPACKS SUPPORTED</b>	0	0	0	20	40
<b>RVON PORTS</b>	0	0	0	0	4
<b>KP CAPACITY</b>	0	4 (ANALOG ONLY)	4	4	8
<b>FIBER SUPPORT</b>	No	No	No	Yes	Yes
<b>ANALOG TWO-WIRE (RTS/AUDIOCOM/CC)</b>	4	4	0	4	4
<b>2W LOOP THRU</b>	Yes	Yes	N/A	Yes	Yes
<b>PROGRAM INPUTS</b>	2				
<b>STAGE ANNOUNCE</b>	1				
<b>GPI / RELAY</b>	4 GPI / 4 relays				
<b>2W AUTO-NULLING</b>	Yes	Yes	N/A	Yes	Yes
<b>NUMBER OF CONFERENCES</b>	4	16	16	16	16
<b>2W MIXING / ROUTING</b>	No	Yes	No	Yes	Yes
<b>FOUR-WIRE AIO PORTS</b>	No	4 ports	No	4 ports	4 ports
<b>AUDIO EXPANSION (TIE LINES)</b>	No	8 ports	8 ports	8 ports	8 ports
<b>BUILT-IN LINE POWERING</b>	No				

Please visit [rtsintercoms.com](https://www.rtsintercoms.com) for more detailed technical information