



## Digital Intercom System Model U9100 Master Station

On land or at sea; for facilities or mobile platforms; in harsh, noisy environments or in quiet areas over long distances; for single or multi-channel communication; with wired security and wireless mobility, the Series 9100 Digital Intercom System provides communication clarity for the working world.

The U9100 Master Station is the heart of the digital system, providing high performance Ethernet/IP versatility and a modular approach to system interface connectivity to two-way radios and other common ancillaries, as well as existing networks.

The result is a configuration scheme highly adaptable to a broad spectrum of diverse applications, and a communication system that is at once both highly reliable and versatile, yet incredibly simple and budget conscious.



**P/N: 44000G-01**

WHAT IT HAS...	HOW IT HELPS...
Dante™-enabled digital architecture	Highly-capable, easily configurable voice and data networking capability between all system users and two-way radios, sound/data sources, IP networks or other Dante-enabled devices. Multi-channel, multi-device, multi-purpose...profoundly expanding the possibilities for critical communication needs
1 each U9101 Switch Card Module (included)	Provides out-of-the-box connectivity for a combination of up to four (4) Headset Stations or Wireless Gateways
3 each additional Card Slots (with waterproof blank plates)	Provides space for the installation of up to 3 additional modules (switch cards or radio/auxiliary cards) for expanded capabilities and system connectivity; increase the number of system users or devices even further by daisy-chaining master stations or through the use of COTS network devices
Marine-grade design throughout	Ingress protection, salt-fog/corrosion resistance, wide ranging temperature tolerance, and superior shock/vibration absorption to keep your system - and your crew - safe, effective and mission-ready.
Surface or rack mount options	Flexible installation alternatives allows for panel/surface mounting or seamless integration within EIA-310 standard 19 inch rack frames and cabinets



Dante™ by Audinate™ is the industry-leading digital media networking technology, affording the transport of multi-channel, ultra-high-quality voice and data over CAT5e cable. Its software-enabled network control provides a quick and simple methodology for system set-up, routing and applicable device monitoring, providing the perfect bridge for the David Clark digital communication system not only within it's own physical platform, but with other Dante™-enabled devices and standard IP networks.

# U9100 - Technical Data

## PHYSICAL

Weight (without mounting hardware)	40 oz. (1.1kg)
Dimensions (general)	8.25"L x 6.5"W x 3.875" D
Intercom Connection Scheme	RJ-45 type

## ELECTRICAL

Power Requirements	11-30VDC (10A maximum, depending on configuration)
Power Distribution	Power-over-Ethernet (802.3af)
Radio Connectivity	See U9102 or U9104
Auxilliary Connectivity	See U9102
System Cable Type	CAT5e (stock) or CAT6

## MECHANICAL

Mounting Method	via M9100FM (Rack-Mount) or provided surface-mount kit
Enclosure Material	Polyethylene

## COMPLIANCE

	MECHANICAL
Ingress Protection	IP67, per IEC 60529, with all add-in cards properly installed
Operating Temperature	-40° to 185°F (-40° to 85°C), per MIL-STD-810G
Storage Temperature	-40° to 158°F (-40° to 70°C), per MIL-STD-810G
Aggravated Humidity	Per MIL-STD-810G
Functional Shock	Per MIL-STD-810G
Operational Vibration	Per MIL-STD-810G
Blowing Sand	Per MIL-STD-810G
Blowing Dust	Per MIL-STD-810G
Salt Fog	Per MIL-STD-810G

	ELECTRICAL
Immunity to DC Power Line Transients	Per EN 301 489-1 (ISO 7637-2)
Radiated and Conducted Emissions	Per EN 301 489-1, FCC Part 15
Electrostatic Discharge	Per EN 301 489-1
Radiated Immunity	Per EN 301 489-1
Electrical Fast Transient Burst	Per EN 301 489-1
Conducted Immunity	Per EN 301 489-1

Patents: 10389884, 10237415, 10397408



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