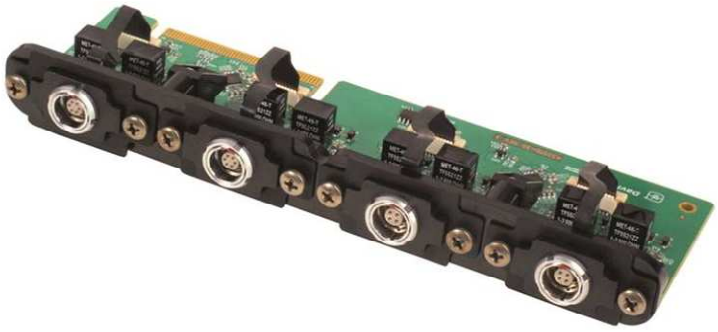
Digital Intercom System
Model U9102
Dual Radio/Aux Card

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 U9102 Radio/Aux Card provides system users connectivity and software-enabled access to up to two (2) mobile radios and one (1) each of both an auxiliary input and output (e.g., music/sound sources, recording devices, PA/ loudhailers, Bluetooth vehicle/vessel adapters).

With a waterproof, shock/vibration resistant modular design, it ensures the reliability and integrity of critical intercom and inter-device communications.



P/N: 44003G-02

WHAT IT HAS…	HOW IT HELPS…
2 each Radio connections	Enables single or dual-radio interface capability to any compatible radio device
2 each Auxiliary Input/Output connectors	Provides interface to sound/data-source ancillaries such as music sources, tablets, cell/sat phones, Bluetooth kits, alarms, recording devices…virtually any device that provides or receives a signal.
Waterproof connector design	IP-68 rated (mated or unmated), providing worry-free reliability in any kind of environmental conditions or situations
Stainless steel installation hardware	Ensures secure module installation to the U9100 Master Station in a corrosion-resistant fashion suitable for harsh marine applications
Modular design	Intuitive configuration allows for greater system versatility, and enables expedited repair/replacement scheme to keep your system up and running
Shock/vibration-proof construction	Installation design on/within the U9100 Master Station ensures dependability with superlative kinetic absorption, providing reliability for critical communication needs in harsh mobile applications

Dante™

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.

U9102 - Technical Data

PHYSICAL	
Weight	4 oz. (113g)
Dimensions (general)	5.125"L x 3.75"W x 2.5" D
System Connection Scheme	Installation to lid of U9100, slot card interface to main PCB

ELECTRICAL	
Power	PoE (802.3af), from U9100
Radio Connectivity	Via C91-20RD Radio Interface Cable (2 each max)
Auxilliary Connectivity	Via C91-20AX Auxiliary In/Out Cable (2 each max)

MECHANICAL	
Mounting Method	Fasten to U9100 lid via stainless steel machine screws
Connector Materials (including assembly nut)	Copper alloy (shell, nut, ground pin and contacts); chromium-plating (shell, nut); gold plating over nickel (contacts); tin plating (ground pin), synthetic resin insulator and synthetic rubber gaskets

COMPLIANCE	
	MECHANICAL
Ingress Protection	IP-67, per IEC 60529 as properly installed (connectors, IP68)
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