



Digital Intercom System Model U9120-W4 Wireless Gateway

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 U9120-W4 Wireless Gateway is a relay for all audio interface between the Wireless Belt Station users and the U9100 Master Station and its connected ancillaries (two-way radio, IP networks, etc.) It provides wireless connectivity for up to 4 users and a reliable range of up to 300 feet.

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: 44002G-01

WHAT IT HAS...	HOW IT HELPS...
Wireless system interface	DECT protocol ensures secure wireless range of at least 300 feet between Gateway and wireless users. Provides full system functionality and wireless mobility for up to 4 users
IP-68 sealed Ethernet jack	Provides out-of-the-box connectivity to the U9100 Master Station, offering superior dust and water ingress (when mated to IP-68 plug) for worry-free installations in the most demanding environments
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
Antenna options	Internal antenna built-in, and reverse-polarity external SMA connector provides options for either a whip antenna (included) or a remote antenna kit, further ensuring proper RF signal propagation
Surface or flush-mount options	Flexible installation options - while maintaining watertight integrity - provides numerous install location alternatives for facility or mobile platforms



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.

U9120-W4 - Technical Data

PHYSICAL

Weight	16 oz/454g
Dimensions (general)	5.125"L x 3.75" W x 2.5" D
System Connection Scheme	RJ-45 type

ELECTRICAL

Power	PoE (802.3af), from U9100
Radio Connectivity	See U9102 or U9104
Auxilliary Connectivity	See U9102
System Cable Type	CAT5e

MECHANICAL

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

COMPLIANCE

	MECHANICAL
Ingress Protection	IP-67, per IEC 60529
Operating Temperature	-40° to 185°F (-40° to 85°C)
Storage Temperature	-40° to 158°F (-40° to 70°C)
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/WIRELESS

FCC & Industry Canada ID	FCC: Y3J-U9120W4; IC: 9409A-U9120W4
Frequency	1920MHz to 1930MHz (DECT 6.0)
Average Power Output	4mW (100mW peak)
Range	100m (300 ft) line-of-sight, typical (minimum range)
Carriers	5 each (1,728 kHz spacing)
Time Slots	2 x 12 (up and down stream)
Authentication	DSAA, 128b block cipher (close proximity)
Encryption	DSC, 64b stream cipher (through DSAA)
Specific Absorption Rate (SAR) Compliance	Per IEEE 1528-2003, OET Bulletin 65, RSS-102 & Safety Code 6
DECT Harmonized EN	Per EN 301 406
EMC & ERM, Short Range Devices	Per EN 300 330-1, EN 300 330-2
Electrostatic Discharge	Per EN 61000-4-2
Radiated Immunity	Per EN 61000-4-3
EMC & ERM for Radio Equipment and Services, Part 1	Per EN 301 489-1
EMC & ERM for Radio Equipment and Services, Part 1	Per EN 301 489-2
CB Scheme	Per IEC 60950

Patents: 10389884, 10237415, 10397408



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