

InnoCom® VEG02

Versatile Ethernet Gateway

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Key Features

Versatile gateway for Bluetooth Auracast™, decentralized I/O data capture, and ambient sound recording via connection of an additional microphone.

- A versatile gateway enables easy deployment of Auracast™ across different vehicles and environments.
- Existing 100 V PAN systems can be connected directly to the gateway at the 100 V level. This allows existing installations to be reused without additional interfaces or complex modifications.
- The solution also supports direct connection to announcement loudspeakers that are connected straight to an amplifier, making it ideal for retrofits and modernization projects in existing vehicles.

Technical Specifications

Power Supply	PoE (Power over Ethernet) Option: Redundant POE
Network Connector	Standard Type: M12 socket, D-coded
Operating Temperature	OT4 (-40 °C to +70 °C)
Ethernet Network	10BASE-T/100BASE-TX (IEEE 802.3)
Digital I/O	2 configurable I/O's as inputs, 24V outputs, or button inputs
Analog Audio Input	1 Line In or 1 differential microphone input
Analog Audio Output	1 Line Out
Auracast™	1 SMA connector for external antenna
Mounting Type	no restriction
Cooling	Natural convection via the enclosure
Pollution Degree	PD2 according to EN 50155:2022
Operating Altitude	Up to 3,500 m above sea level
Weight	< 1 kg
Enclosure Material	Stainless steel
MTBF according to SN29500	> 500.000 h
Nameplate	Remote nameplate query for efficient service, troubleshooting, and inventory processes
Standards	EN 50155:2022, EN 50121-3-2:2017, EMV 06, EN 45545-5:2016-01, EN 45545-2:2020-10, DIN EN 50657:2017



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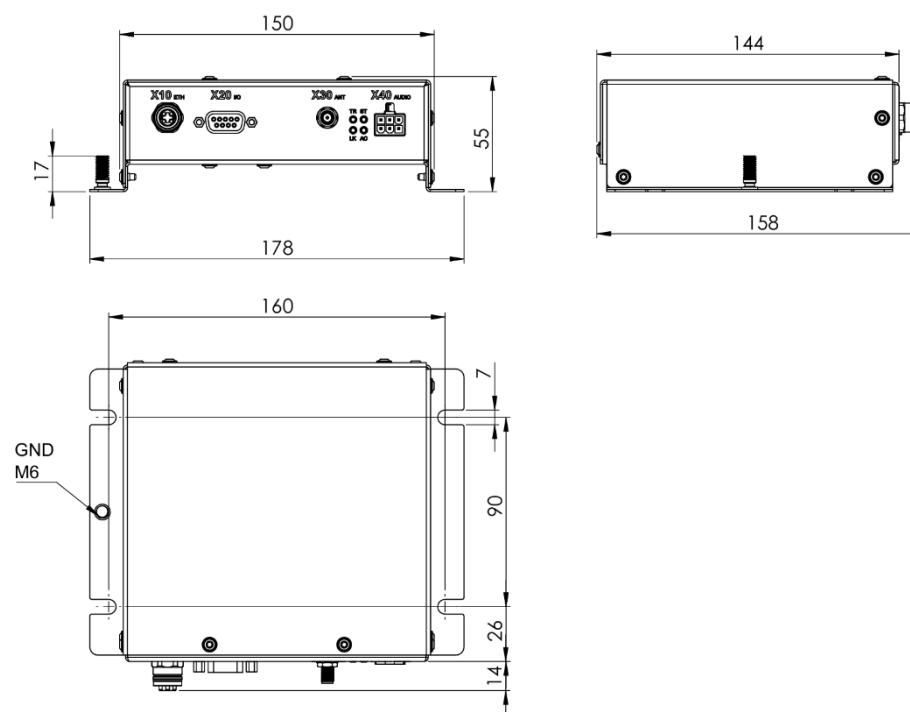
Description

The high customer value of our gateway in public transport lies in the simple and flexible deployment of high-quality audio and passenger information services onboard. It enables reliable transmission of announcements and content in crystal-clear sound directly to compatible end devices such as smartphones or hearing aids, improving both comfort and accessibility. Thanks to decentralized I/O data capture, the gateway can be seamlessly integrated into existing vehicle and passenger information systems, ensuring efficient real-time distribution of critical information, for example during disruptions or emergencies. In addition, capturing ambient noise via a connected microphone enables automatic volume adjustment across different areas of the vehicle, ensuring announcements remain clearly intelligible at all times while also helping to reduce overall noise levels. Overall, the gateway enhances the quality, accessibility, and user experience of modern passenger information, making journeys significantly more pleasant.

Safety Precautions

Attention: Observe precautions for handling electrostatic sensitive devices. This module uses semiconductors that can be damaged by electrostatic discharge (ESD). Damage due to inappropriate handling is not covered by warranty.

Dimension drawings*



* work in progress - subject to change without notice