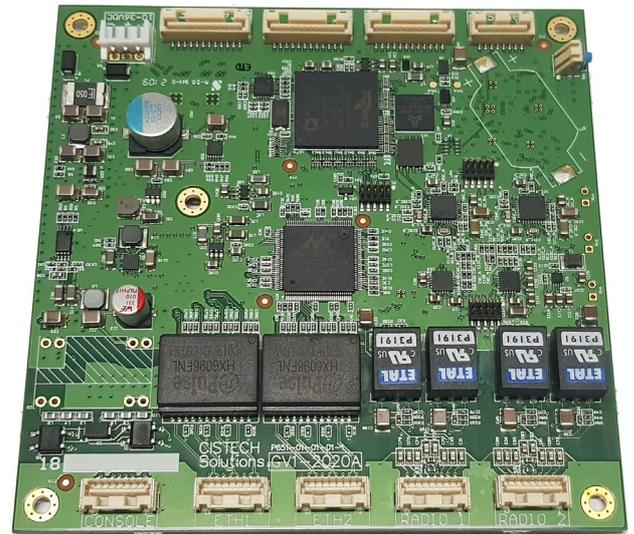# GV1-2020 EM Board



The GV1-2020 Two Port Radio Gateway is designed for deployable communications in mission critical environments. Connect two disparate voice networks and extend those networks back into the enterprise, all in a single deployable chassis.

The CISTECH Solutions engineering team designed the GV1-2020 EM board to provide the full capabilities of the GV1-2020 in a smaller, lighter package, able to be integrated into your products seamlessly. The GV1-2020 EM board has an ultra-low power requirement, typically less than 2 Watts consumption, designed for deployable battery powered environments.

# Specifications

## Physical Specifications
- 110 x 110 x 12mm (W x L x H)
- Weight: 90g

## Electrical Specifications
- 10 - 28 VDC, 802.3af PoE
- Power consumption: < 3 Watts

## Construction
- Connector and Handset options available

## Operating Temperature
- -20°C to 65°C

## System Management
- Central or Local Management
  - Web ( Http/Https)
  - Telnet (Base Configuration)
  - Serial (Base Configuration)
- Remote Management

## IP Configuration
- IP Address allocation Static/ Dynamic
- Network Monitoring Support SNMP V2
- Network Time Protocol Support SNTP
- Syslog

## CODECs Including
- G.711, G.729, ILBC, Speex, SILK, OPUS, AMR
- Dynamic Payload Selection

## E&M
- Frequency response selectable for 300 Hz to 3.4 KHz
- Tx Audio
- Rx Audio
- Press to Talk (PTT)
- Squelch (SQL)

## Ports
- 1 × OLED or Mil Handset port option
- 1 × Console Management port
- 2 × 10/100/1000 Ethernet switch ports
- 2 × E&M Radio ports

## E&M Radio Port
- 4 Wire E&M 600 Ohm
- Half / Full Duplex
- Transmit/Receive Priority
- Radio PTT Trigger Options:
  - Packet / Voice
- PTT Signal Support (Optically Coupled)
- COR Signal Support (Optically Coupled)
- Audio Level Management
  - AGC or Fixed Gain

## Certifications
- FCC Part 15B, ICES-003, CISPR 32
- EN55032, EN61000-3-2, EN61000-3-3, EN55035

## Handset Options
- MIL-STD H-250 Handset
- RSM (5V)
- UIC600

## Indicators
- Handset PTT
- Network Activity
- Radio Port PTT/COR

## IP RTP Channel Options
- RTP Channel Support
  - Multicast (RTP/SRTP)
  - Unicast (RTP/SRTP)
  - SIP (Secure / Non Secure)
- RTP Channel Options

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