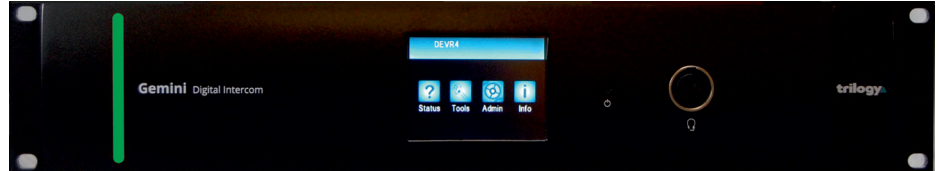


Key Features

- Distributed matrices provide redundancy and lower cost of install
- 64 IP channels of DSP to support Virtual panels and SIP
- 32 ports with mixed panel/4 wire connections
- 16 GPI/O interfaces for external controls
- 12 channels of camera mix/da saves ports
- AES/MADI for digital audio connection
- FXO analog telephony interface
- Redundant power sharing power supply
- Optical fiber interface for matrix-to-matrix connection
- Operates over LAN, WAN or Internet
- SIP compliant with IP telephony systems
- Full API for third-party control
- Supports IP panels via separate RJ45 interface
- Intuitive graphical interface for management



Gemini III is the latest Trilogy IP based intercom matrix with additional DSP-based IP channel support, more camera channels and enhanced front panel and alarm feature.

Description

Trilogy's Gemini intercom matrix is a flexible, real-time intercom system that features comprehensive integrated IP capabilities together with interfaces to 4-wire circuits, telephony, AES/MADI, IP panels and SIP for analog or IP based solutions. Gemini supports a range of panels including desktop and rack mount lever key panels, touchscreen button panels, and Virtual panels for smartphones and tablets.

System Size

The Gemini system can be configured with 8 to 32 ports within a single 2RU matrix and expanded to 8 matrices with 256 ports via the dual redundant ring connectivity that provides program quality performance with near-zero latency. The redundant ring ensures no single point of failure for ultimate system dependability. The integrated IP connectivity permits unlimited expansion of system size or geographic location using LAN, WAN and satellite links.

Configuration and Control

Trilogy's Gateway configuration software provides unrestricted ability to build, modify and save multiple databases to suit any operational requirement. Users can set system parameters to suit their needs and preferences, from changing key assignments, to audio level adjustment, or extensive re-configuration of an entire network.

Gateway can operate off-line to create configurations for the matrix or on-line to allow real-time changes on the fly, such as adjusting audio levels during a production without resetting the entire system.

Each individual Gemini has a browser-based utility which gives authorized users remote access to all engineering and maintenance functions, allowing system status and monitoring from anywhere the operator has IP access.

Gemini integrates neatly with third-party software management systems, centralizing control audio routing and panel assignments via a comprehensive and flexible API.

Technical Specifications

Number of Ports: 8 – 32 per Gemini matrix, depending on configuration

Camera Mix/DA x 2: Each supporting up to 6 cameras

Front Panel Headset: XLR5 socket. Microphone type: dynamic.

Gemini Network: Up to 8 matrices per ring, giving a maximum of 256 ports

IP Channels: 64 channels when DSP option is fitted

GPI – Inputs (per matrix) / GPI – Outputs (per matrix): 16 closure to ground / 16 opto-isolated

Audio Performance

Port Type: 4 wire electronically balanced

Frequency Response: -3 dB @ 20 Hz and 20 kHz

Input Gain Control: +12 dBu to -12 dBu (1db step resolution) via Gateway

Output Gain Control: +12 dBu to -40dBu (1db step resolution) via Gateway

Maximum Input Level / Maximum Output Level: +20 dBu / +20 dBu

Crosstalk: < -95 dBu @ 1 kHz

Noise: < -62 dBu ITU-R-468 weighted / < -69 dBu ITU-R-468 unweighted

Distortion: < 0.025%, 0 dBu at 1 kHz

Sample Rate: 48 kHz

Port impedance: Input 24K/Output 50 ohm

HSL

HSL Data Rate: 270 Mb/s

Audio Delay: 1.2 ms (typical)

Maximum Cable Run: 80 m between Gemini matrices CAT6

Power

Power (single or optional dual): 100/240 V ac, 1.8A, 50/60 Hz

Power Consumption: < 65 W

Environmental

Operating Temperature: 32°F to +122°F

(0°C to +50°C)

Dimensions:

19 x 3.5 x 14.8 in (WxHxD)
(483 x 89 x 375 mm)

Weight:

11lbs (5kg) - fully fitted

Approvals

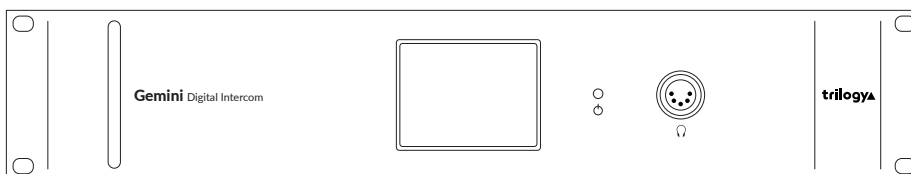
Immunity: EN 55024:2010/CISPR 24:1997

Emissions: EN 55022:2006 inc A1:2007 & A2:2010 EN 55022:2010 FCC/CFR 47: Part 15:2013 Canadian Standard ICES-003:Issue 5

CSA CAN/CSA C22.2 No.60950-1-07 + Amd 1:2011 ANSI/UL 60950-1-2011

Safety EN 60950-1:2006 inc A12:2011 IEC 60950-1:2005 (Second Edition) + Am 1:2009

Gemini - Front

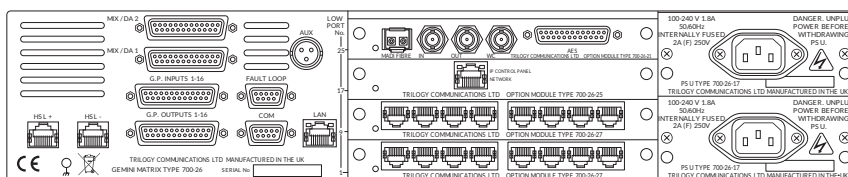


Order Codes

700-26-03: Gemini 32-port Matrix (base model)

NOTE: Base Model is configurable. See price list for options and pre-set packages.

Gemini - Back



NOTE: Gemini shown with option cards.