

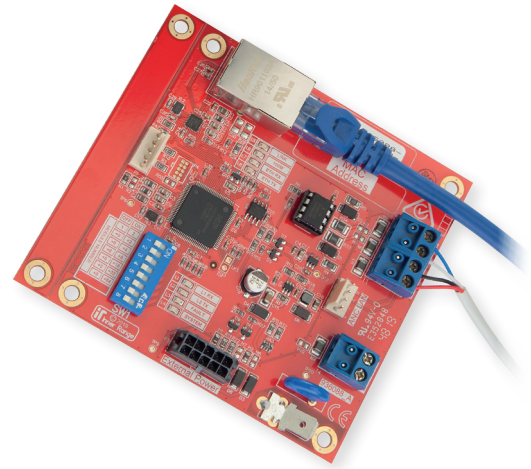
The LAN Ethernet Bridge provides a secure, isolated connection of physically separate RS485 LAN segments over an Ethernet network for Inception, Integrati and Infniti systems. The electrical isolation achieved between the LAN segments also eliminates the potential for earth loops.

The LAN Ethernet Bridge is Installer configurable and employs 128-bit AES encryption for secure Ethernet communications. It enrolls on the LAN as an RS485 LAN Module allowing status monitoring and reporting.

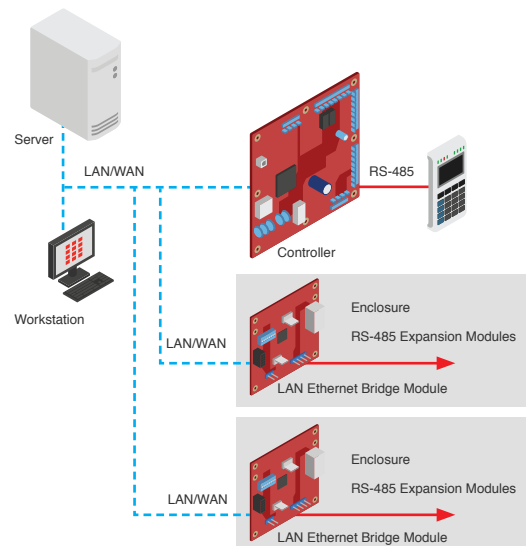
One or more LAN Ethernet Bridges are installed in remote locations to provide an interface between an Ethernet network and the local RS485 LAN segment. The Ethernet network provides the communication path between the Controller's on-board Ethernet Port and the LAN Ethernet Bridge. An Ethernet Bridge is not required at the Controller end.

Features

- Compatible with Infniti, Integrati and Inception
- Does not require a master / slave configuration – Ethernet Bridge Module communicates directly with Controller
- Up to 30 Ethernet Bridge Modules per Controller
- Up to 30 RS-485 LAN modules downstream from Ethernet Bridge Module
- Allows TCP or UDP connections
- RS-485 expansion via IP infrastructure
 - Use existing IP Networks to save wiring time & costs
 - Allows for flexible system design
- Remote configuration via Ethernet LAN Configuration Tool
- Over-The-Wire firmware upgradeable
- AES 128-Bit Encryption
- External Integrati power supply connection
- Full monitoring of external Integrati SMART power supply
- Dedicated cabinet tamper input



Connectivity



Specifications

| | |
|---------------------------|--|
| Physical | |
| PCB Dimensions: | 105 (L) x 94(W) x 18(H) (mm) |
| Installation Environment: | 0° to 49° Celsius (32° to 120° F) 15% to 85% Relative humidity (non-condensing) |

| | |
|-----------------------|----------|
| Electrical | |
| Input Voltage to PCB: | 11-14VDC |
| Operational Current: | 60mA |

| | |
|-----------------|--|
| Cabling | |
| Ethernet Port: | As per standard 10/100MHz Ethernet cabling specifications. |
| RS485 LAN Port: | As per Integrati/Inception LAN cabling specifications. |

| | |
|---|-----------------|
| Minimum Firmware / Software Versions | |
| Integrati/Infniti ISC/IAC Firmware: | V20.1 or later. |
| Integrati/Infniti Software: | V20.1 or later. |
| Inception Firmware: | V4.0 or later. |

| | |
|-------------------|--|
| Compliance | |
| Electrical: | |
| Environmental: | |

Module Limitations

The number of LAN modules a Controller can support via LAN Ethernet Bridges is limited depending on the types of modules being deployed, and the Ethernet Protocol being used (TCP or UDP). Refer module limitations table below:

| Module Type | TCP | UDP |
|---|-----|-----|
| Intruder Alarm Only | 90 | 135 |
| Simple Access Control or Integrated System | 60 | 90 |
| Access Control System with Intelligent LAN Access Modules | 30 | 45 |

More details on module limitations can be found in the LAN Ethernet Bridge installation manual.

Ordering Options

996088
Ethernet Bridge Module

