

General

The G2S11 module is a unidirectional module designed to route (connect) either T1 or E1 type signals. The switching is done with a solid-state analog switching core that is transformer coupled to the user connections (RJ-45). The signal path is unidirectional (one direction) and is intended for ATE applications. The inputs and outputs are differential (balanced) with 100 ohm E1/T1 transformers. Normally, the module can be used to connect any input to one, many or all outputs at the same time (broadcast).

For control and DC power, the module must be installed into any G2 type mainframe controller. The mainframe must have either the -200, or -D200 power supply configuration.

Applications

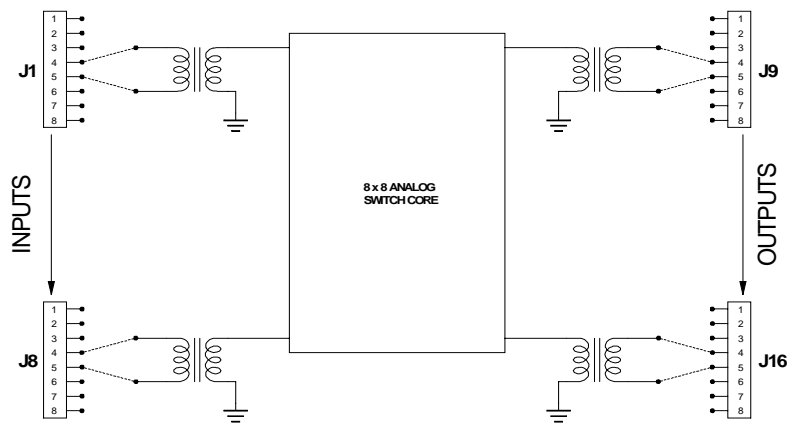
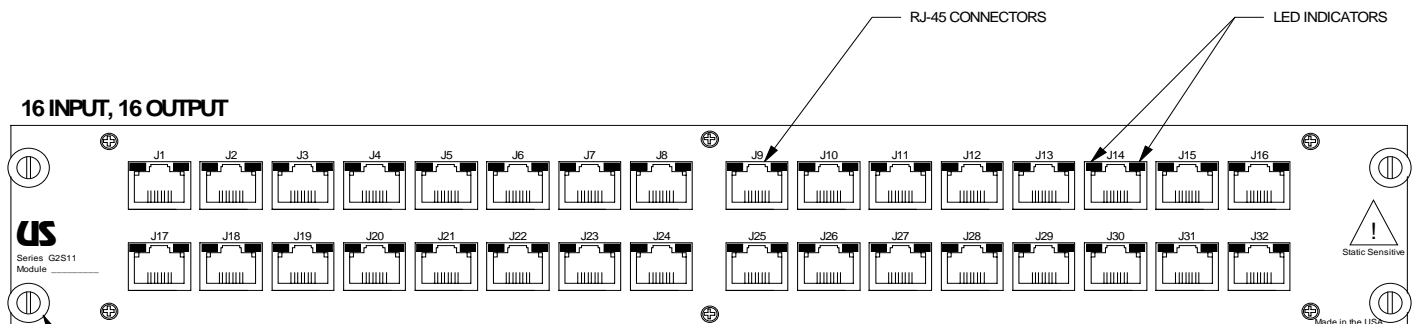
- ATE systems
- Communication installations
- General purpose signal routing
- Satellite control centers
- Ground station network routing

Features

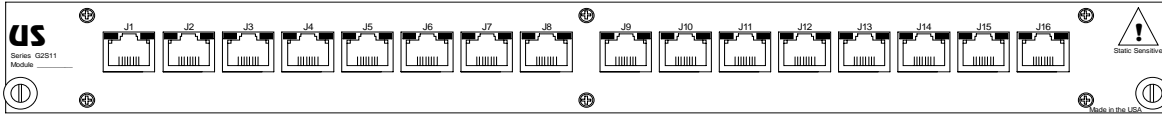
- High reliability solid-state elements
- Both E1 or T1 signals
- Standard RJ-45 connectors (others optional)
- Hot-Swap module technology
- Internal pin assignment jumpers
- Rugged aluminum shielded enclosure
- Built-in control and status circuitry

Configurations

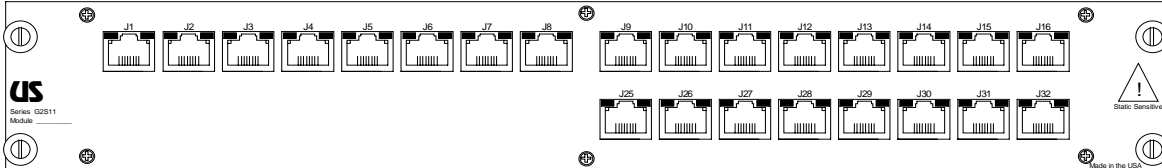
Model Number	Configuration	Conn	Impedance
■ G2S11-1608-21	8 input, 8 output	RJ-45	100 ohm
■ G2S11-2416-21	8 input, 16 output	RJ-45	100 ohm
■ G2S11-2408-21	16 input, 8 output	RJ-45	100 ohm
■ G2S11-3216-21	16 input, 16 output	RJ-45	100 ohm



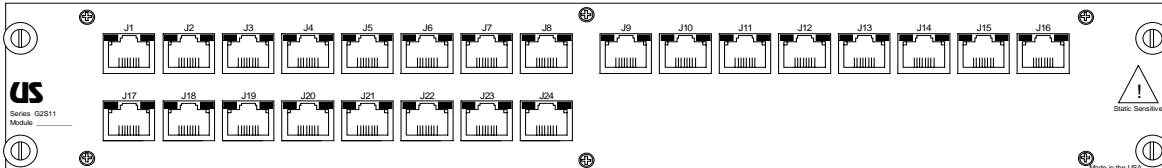
8 INPUT, 8 OUTPUT



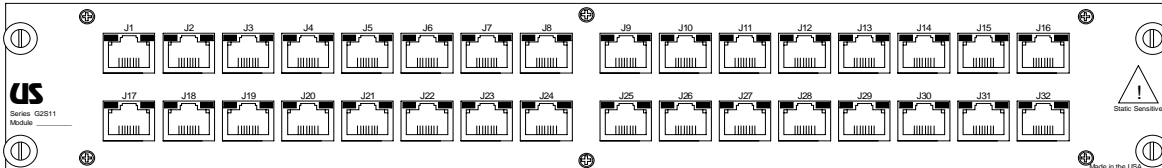
8 INPUT, 16 OUTPUT



16 INPUT, 8 OUTPUT



16 INPUT, 16 OUTPUT



Signal Specifications

- Switching elementsSolid-state
- Operating modeUnidirectional
- ConfigurationsSee configuration list
- Signal typeAnalog or digital, bi-directional
- Signal connectorStandard RJ-45 type
- Frequency rangeE1 or T1 rates (10MHz)
- Switching speed<5mS (plus control time)
- Input impedance100 ohms
- Output impedance100 ohms

General Specifications

- Module size2 or 3 slot height
- Control typeG2 compatible
- SparingHot-Swappable
- ConstructionShielded aluminum case
- DC power-200 or D200 configuration
- Weight<1.5lbs
- Operating temp0 to +70C
- Non-operating temp-20 to +85C
- Humidity0 to 95% (NC @ +25C)
- MTBF (estimated)>120,000 hours
(per MIL-HDBK-217F, N1 ground benign @ +25C)

Universal Switching's policy is one of continuous development, and consequently the company reserves the right to vary from the descriptions and specifications shown in this publication.