



GPI16

**Universal GPI card with 10 GPI inputs
and 16 GPI outputs**

A Synapse® product

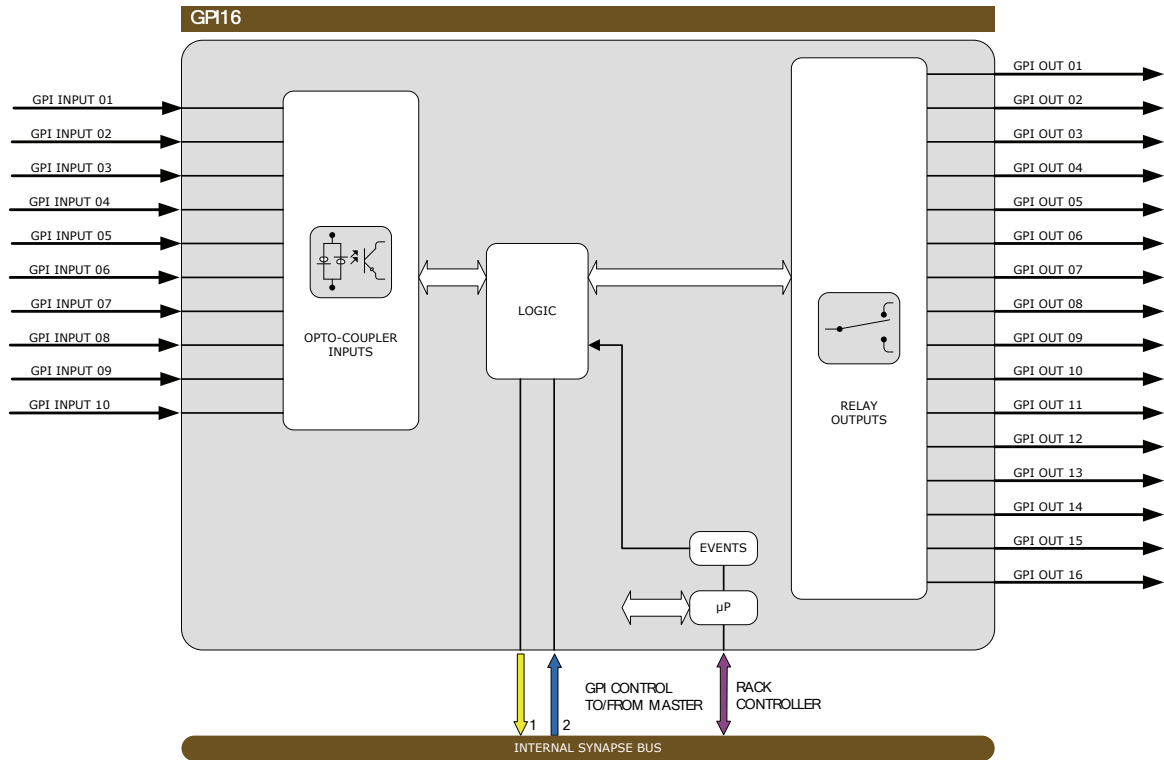
Synapse

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Block schematic & I/O panel



Features

The GPI16 card is a universal Synapse GPI I/O(Input/Output) card. The card is capable of forcing GPI output triggering based on events that are generated by cards located in the same rack. (E.g. An alarm/event generated by any specific card in frame. This alarm/event is put on the bus. The GPI16 card will monitor the internal bus for events and close a relay in case of an event). The GPI16 can also be used as a slave card for Synapse functions, the 8x1 switcher (SDX08) or the VWI10 card for example. In these applications it is possible to control functions directly in to a Master, e.g. GPI based channel selection of the 8x1 switcher SDX08.

- 10 GPI inputs (opto coupled)
- 16 GPI outputs (change-over contacts by electromechanical relays)
- Frame surveillance mode where card events can be mapped to GPI outputs
- Slave mode where GPI in and outputs are mapped directly to card status and settings
- Frame mode where the card detect events from other cards in the same frame
- Latching and non-latching GPI inputs
- Loop through functionality
- Full control and status monitoring through the front panel of the SFR04/SFR08/SFR18 frame and the Ethernet port (ACP)

Complementary cards

- SDX08, VWI10, CCR10, ARC20/21/22

Applications

- GPI alarm monitoring of Synapse events
- GPI to SNMP conversion
 - Where a third party GPI/O only product is integrated via the GPI16 into the Synapse network and/or SNMP system
- GPI to Synapse triggers (with ARC, VWI or SDX cards)

Ordering information

Module:

- **GPI16:** Universal GPI card with 10 GPI inputs and 16 GPI outputs

Standard I/O:

- **BPL06_GPI16:** I/O panel for GPI16

Specifications

GPI I/O

Inputs	Opto coupled
Number of Inputs	10
Outputs	Relay based with change-over contacts
Number of outputs	16

Miscellaneous

Weight	Approx. 250g
Operating Temperature	0 °C to +50 °C
Dimensions	137 x 296 x 20 mm (HxWxD)

Electrical

Voltage	+24V to +30V
Power	<5 Watts