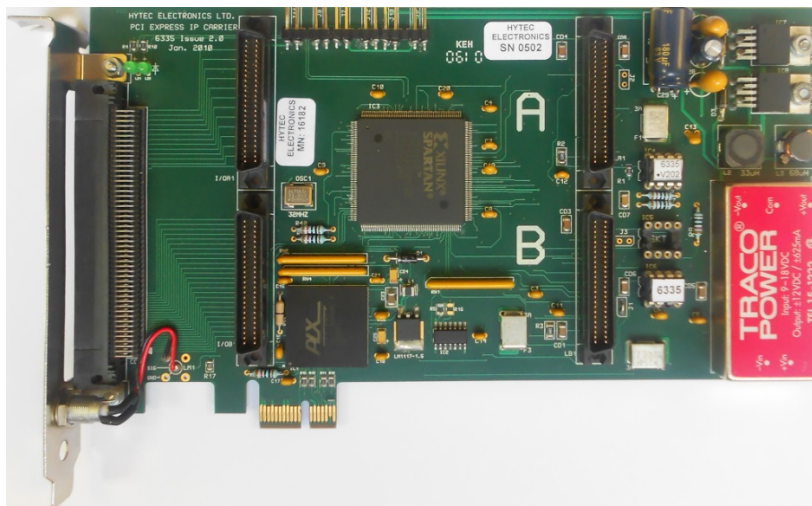


# IOC6335

## PCIe TWO SITE Industry Pack® CARRIER



### Product Description

The 6335 is an Industry Pack Carrier card for the PCI Express bus. This card is used in a 'X1' PCI Express slot and can accommodate two single-width Industry Packs, which can be clocked at either 8MHz or 32MHz (individually selected). The PCI Express bus is converted to a 'local bus' by a bridge chip and then this local bus is interfaced to the Industry Pack (IP) Logic connectors by an FPGA. The IP interface supports Memory, I/O, ID and Interrupt access to the Industry Packs in the same way as is used in the 9010 IOC from Newwood Solutions. IP interrupts are mapped to the PCI Express bus. Driver support is available for both Windows and LINUX environments.

The PCIe interrupt can be enabled by writing to an on board register.

The interrupts INT0 and INT1 of both Industry Packs can be enabled on an individual basis.

PCB mounted LEDs flash to visually confirm completed IP access cycles to individual slots.

The card receives +12-volt and +3.3-volt power from the PCIe bus. From these, it produces +5 volts and -12 volts for the Industry Packs. Also, space is available for an optional DC-DC converter producing isolated +/- 12-volt supplies which can be used to power the 'front-end' of analogue Industry Packs such as the 8401 and 8402. These are selected by jumpers.

I/O connections are via a single 100-way right-angle connector which accepts a ribbon cable terminated in two 50-way SCSI-2 connectors. These I/O connections are compatible with Newwood Solutions range of DIN-rail mounted I/O termination and breakout assemblies. A cable adapter card 8924 can be used to allow connection to Hytec terminal blocks such as the 8901. This keeps the pinning the same on the terminal block.

A single-pole LEMO size 00250 socket is also fitted on the card bracket to allow an external TTL signal to be brought into the card. This can be used, via jumpers, to send a trigger or inhibit signal to each Industry Pack.