

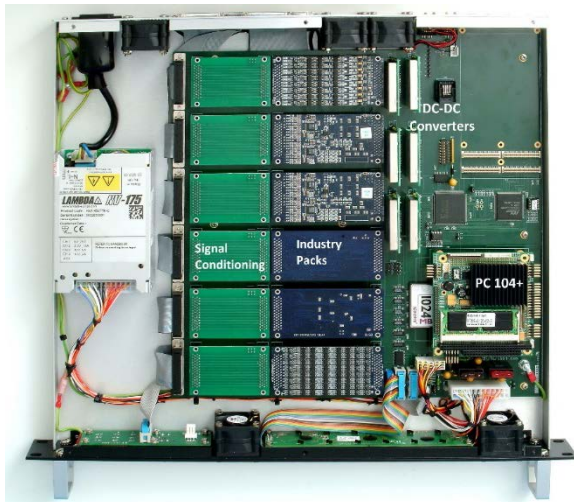
IOC9010

Rack Mounted IOC 6-Site IndustryPack® Carrier



The IOC 9010 is a 1U high rack mounting Input Output Controller. The IOC has 6 IndustryPack® slots each with a mini signal conditioning card and an Intel® Atom™ 1.33Ghz PC104+ processor, with network (10/100/1000 Mbps), USB 2.0, 320GB hard disc and 2GB RAM (other options possible). As a system component it is available as an EPICS IOC running either RTEMS or LINUX or Windows, as a VSYSTEM Controls computer running Linux or Microsoft Windows or as an OPC server.

The functionality of the IOC is determined by industry packs fitted, these include ADC, DAC, Digital I/O, Isolated I/O, RS232, RS485, Stepper Motor Controller and Scaler.

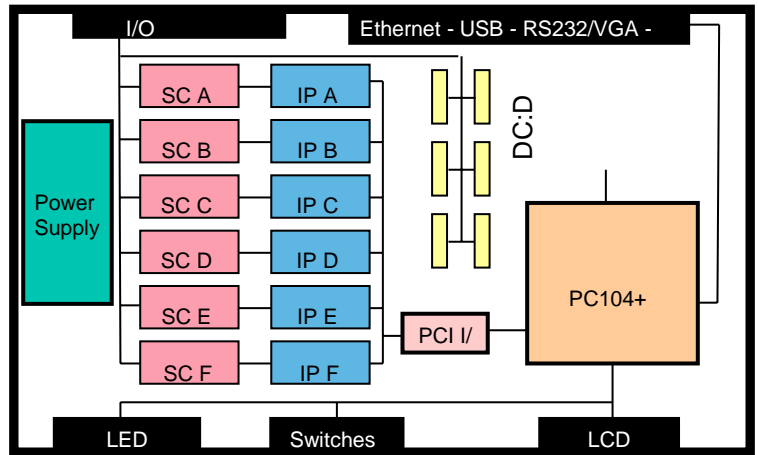


Six sites are provided for **Industry Packs (IP)** providing a wide range of I/O functions. An open specification defines the key characteristics ensuring compatibility between suppliers.

Auto configuration scans the IP slots to determine the current I/O for rapid configuration. Drivers for Newwood's IP cards will allow systems to be operational quickly.

Each industry pack has a **Signal Conditioning Board** which allows signal conditioning and plant isolation to be added. We have chosen the 50-way SCSI II connector so that inexpensive, commercially available cables can be used with Newwood's range of DIN Rail **Terminal Boards** for connection to plant wiring.

Six sites are provided for **Industry Packs (IP)** providing a wide range of I/O functions. An open specification defines the key characteristics ensuring compatibility between suppliers. Auto configuration scans the IP to determine the current I/O for rapid configuration. Drivers for Newwood Solutions IP cards will allow systems to be operational quickly.



SOFTWARE

The 9010 IOC Blade will support a range of software and protocols to access hardware input/output including:-

VISTA



Vsystem on Linux/windows XP

A 9010 IOC Blade system provides a complete platform to run Vsystem applications hosted on either Linux or Windows operating environments.

Newwood will provide driver support in Linux and Windows for its Industry Pack modules. Using Vsystem components such as Vaccess and Vscan, databases can be prepared to support and read in the data from the connected plant and Vsystem handles can provide plant data output. You can also run Vsystem client components such as Vdraw, Vtrend and Vlogger locally on the 9010.



Linux / HTML

With the Linux version it is possible with a web browser, to simply enter the 9010 IOC Blade IP's address and access a tabbed HTML page. There is a page for each Industry Pack slot together with a general configuration tab etc. The layout of the tabbed page is adjusted for each type of IP card. This will allow developers to easily configure IOCs from their default settings. Since HTML allows IP Cards' inputs to be monitored and outputs modified, the HTML interface allows the IOC Blade to be easily used for remote testing with no client code at all.