

Advanced Photon Source



AOD Beamline Controls Group

IPack Modules — Analog Output

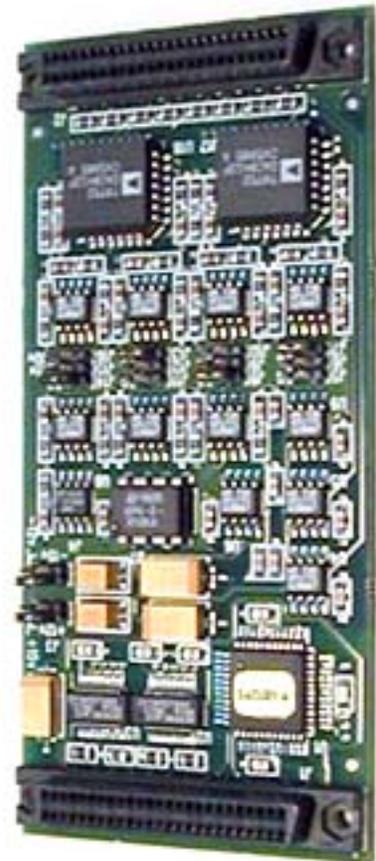
DAC128V — 8-Channel, 12-Bit, 8 Voltage Ranges, D-A Converter

DAC128V

This 8-channel, 12-bit, D-A converter has eight voltage ranges that can be selected in two groups of four. This allows the board to provide output range versatility that is not available on other DAC boards currently on the market. Its modular design provides up to 40 channels of high-performance D-A in a single VME slot using the VMESC5 carrier or up to 48 channels in a single PC slot using the ISASC6 carrier. The DAC128V can also be mixed with other IPack modules for a more customized, modular I/O system solution.

Application Features:

- Largest number of output ranges possible on an output board.
- Eight different ranges can be selected in 2 groups of 4 providing output range versatility not available on other DAC boards.
- Power option via the I/O connector allows you to use either the carrier power or an external power source.
- Direct and series-terminated outputs reduce signal ringing when using high-capacitance cables.
- Four different buffered reference outputs.
- Hard drive capability without adding an external buffer in most applications.
- No wait-states combined with write- and read-back accesses permit simpler system architectures running at maximum speeds.



<http://www.systran.com/iomodmain.html>