Commitment to VME

HIGHLAND TECHNOLOGY

Highland Technology entered the VME market in 1992 and has since maintained a consistent commitment to VME as an open, robust, and cost-effective platform for high channel count control, measurement, and simulation systems.

Highland is a member of VITA, the VME standards body, and continues to release new technology into the VME market. As other bus architectures come and go, Highland remains confident that VME will maintain its position as the architecture of choice for essential, long life cycle programs.

Select VME Products Include:

V120 VME PCI express crate controller
VME bus master crate controller, usable as a crate slot 0 arbiter or as a secondary controller.

V210 64-channel VME relay module
VME-2210 compatible relay module includes 64 SPDT relays and drivers, user-configured to operate in static or latching modes.

V220 12-channel VME current loop/process control I/O module
Drives and senses transducers in computer or PLC-based control systems, and simulates complex industrial processes.

V230 64-channel VME analog input module
VME-3122 compatible analog input module provides high channel-count data acquisition for dense monitoring applications.

V250 64-channel VME digital input/output module
Provides 64 non-isolated channels of digital input/output.

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V280 48-channel VME isolated digital input module
Provides 48 isolated digital inputs, with independently programmable rise and fall time responses for contact debounce or AC inputs.

V346 8-channel VME 32 MHz arbitrary waveform generator w/ complex modulation
Generates sweeps, chirps, I/Q and constellations, and calibrated jitter, and simulates a wide range of radar, communications, power, encoders, and electro-mechanical systems.

V375 4-channel VME arbitrary waveform generator
Provides accurate simulation of real-world sensor inputs, ideal for simulation of complex rotating machines.

V410 16-channel VME RTD/resistance input module
Provides sixteen independent analog inputs that may be used to read cryogenic diodes, RTDs, thermistors, and other similar resistive sensors.

V420 8-channel VME isolated resistance/RTD simulator
Eliminates transient errors associated with relay switching, and provides for monotonic resistance changes using entirely solid-state simulation.

V450 16-channel VME analog/thermocouple input module
Acquires a wide range of DC voltages, including thermocouple temperatures, and includes four precise RTD reference junction sensor inputs.

V470 16-channel VME analog output/thermocouple simulator module
Simulates most common thermocouples with sixteen independent, isolated analog outputs that may be user-programmed to operate as voltage outputs or thermocouple simulators.

V490 16-channel VME multi-range analog digitizer
Provides triggerable, simultaneous data acquisition for mid-speed tasks with programmable preamplification and filtering.

V545 24-channel VME synchro/LVDT simulation/acquisition module
Performs LVDT and synchro/resolver/RVDT simulation and acquisition using internal or external excitation.

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