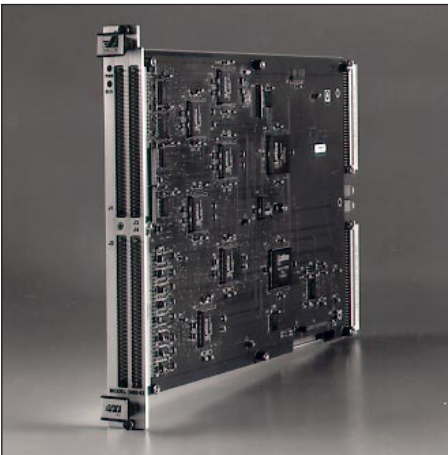


MODEL 3000-62

ASCOR Model 3000-62 TTL Compatible I/O Module



ASCOR's Model 3000-62 Ultra-High Capacity TTL I/O Module with support offered for CMOS, Differential and Open Collector Drivers.

**Basic Module contains 128 TTL
I/O Latched Tri-state drivers and
receivers. All located on Mother-
board – providing a powerful, easy
to program customizable digital
I/O environment for a variety of
simulation and test applications.**

**Expandable by incorporating
Daughter boards:**

- **Option 1 – 128 Additional TTL
I/O Drivers**
 - **Option 2 – 32 Channels each of
Differential, CMOS and Open
Collectors**
 - **Option 3 – 64 Channels of
Differential Drivers**
- Other Options are available
upon request.**

**Register Based – for optimal
operating speeds and throughput.**

General Purpose Digital I/O

ASCOR has designed a highly flexible TTL, CMOS Differential and Open Collector compatible, bi-directional, digital I/O environment for a wide range of low frequency circuit testing and process simulation.

Expandable For Mixed Variety Applications

The Model 3000-62 is standard with 128 latched bi-directional channels on its motherboard, and can expand for a mixed variety of high capacity custom uses by adding daughter-boards – increasing its capacity to up to 256 channels in a single slot, or 512 channels in a double-sized slot module. For example, one daughter-board can act as a power relay driver, while another is dedicated to CMOS output or open collector TTL.

Easy-To-Program

To facilitate fast and easy programming, the Model 3000-62's channels are organized in groups of sixteen. Program registers are organized and sorted to the output pins for optimal ease-of-use.

High Throughput

The Model 3000-62's register-based organization allows VXI bus speeds to control I/O actions, resulting in much improved operating speeds when compared to message-based modules. Thus, the Model 3000-62 can support up to 2 million read or write operations per second.

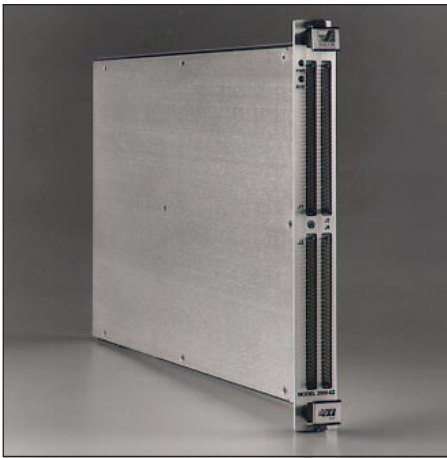
Tri-State Control and Latched I/O

Each pin has a latched output and latched receiver, allowing states to remain until changed, for later retrieval or scanning. Tri-state control enables emulation of bi-directional busses.



MODEL 3000-62

ASCOR Model 3000-62 TTL Compatible I/O Module



ASCOR's Model 3000-62 offers an easily expandable digital I/O environment, starting with 128 bi-directional channels and able to expand to 256 channels in a single VXI slot.

Self Testing

Like all ASCOR VXI Modules, the Model 3000-62 incorporates internal self test hardware which includes the ability to test, read back and verify the integrity of the program control circuitry, including the relay coils within the Module.

All ASCOR VXI Modules also feature a unique built-in service record, for tracking repairs to the Module by time and date the repair was actually performed.

ASCOR also provides a 3 year limited warranty on all VXI Modules.

Quiet Ideas. Powerful Solutions.

ASCOR, founded in 1987 and headquartered in California's Silicon Valley, provides a complete line of VXI Switching and Digital Modules for industrial, medical, scientific and governmental automatic test applications. ASCOR VXI products are the quietest, cleanest, highest density VXI modules commercially available.



With VXIMAX™ 16/32

To address tomorrow's applications, requiring even greater capabilities, ASCOR's 3000-62 supports either 16-bit or 32-bit data bus paths through its VXIMAX 16/32 VXIbus interface. 3000-62 customers can upgrade to 32-bit from 16-bit with VXIMAX's field upgradability.

Specifications

- VXI, single slot, "C" size module
- Programming is register based **VXIplug&play**
- VXI Power:
 - + 5 Volts @ 3 Amps (max.)
- Electrical:
 - Digital I/O TTL, Tri-State, latched 128
 - Resistor Termination (optional) 330/680 I/O 1-128
 - Resistor Termination (optional) 1K pull-up I/O 129-256

Environmental Specification

- Temperature
 - Operating: 0° to 55° C
 - Storage -40° to 75° C
- Relative Humidity
 - Operating 10 to 90% non-condensing
 - Storage 0 to 95% non-condensing

Number of Channels:

128

Daughter Boards (See Options):

Can accept daughter boards for up to an additional 128 channels in a single slot

Connectors:

Airborn — WTB66PR7J
Mating Connector —
WTAX66SACJTL

Ordering Information:

- **ASCOR 3000-62**
VXI Module 128 TTL I/O,
Terminated 330/680
- **Option 01**
Additional 128 TTL I/O,
Terminated 1K
- **Option 02**
Additional 32 channels of
CMOS, Differential and Open
Collector Drivers
- **Option 03**
Additional 64 channels of
differential
- **Non-terminated upon request**
- **High Current option upon request**
Source 32 ma / Sink 64 ma
- **Installation Kit: #89800470**

CE The CE Mark indicates that the product has completed and passed rigorous testing in the area of RF Emissions, Immunity to Electromagnetic Disturbances and complies with European electrical safety standards.

Distributor Information:

4384 Enterprise Place, Fremont, CA 94538-6365
Telephone: (510)490-2300, Fax: (510)490-8493, Website: www.ascor-inc.com

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