'C' Programmable Application Development Module

MVI94-ADM

The MVI94-ADM module is the ideal solution for many applications where serial connectivity must be added to a FLEX platform. Applications using the MVI94-ADM module include:

- Bar code scanner interface
- Legacy ASCII protocol connections
- Terminal port emulation
- Printer driver (Alarm/status printer)
- Customized protocol implementations

Features and Benefits

Powerful platform for developing and running 'C' applications on Rockwell Automation's FLEX I/O processors. The MVI94-ADM module is a single slot, backplane compatible solution for the Rockwell Automation FLEX I/O and Integra I/O platforms. This module is a powerful and programmable solution supporting two fully isolated serial ports allowing serial field devices to be integrated into the FLEX platforms.

How to Contact Us: Sales and Support

All ProSoft Technology products are backed with unlimited technical support. Contact our worldwide Technical Support team directly by phone or email:

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General Specifications

Some of the general specifications include:

- Operation via simple ladder logic
- Complete setup and monitoring of module through Debug port and user configuration file
- Flex backplane interface via I/O access

Hardware Specifications

<table>
<thead>
<tr>
<th>Specification</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Form Factor</td>
<td>Single Slot 1794 Backplane compatible</td>
</tr>
<tr>
<td></td>
<td>Locate in any slot of Backplane</td>
</tr>
<tr>
<td>Backplane current load</td>
<td>20 mA @ 5 V</td>
</tr>
<tr>
<td>External power supply</td>
<td>12V to 24VDC</td>
</tr>
<tr>
<td></td>
<td>340 mA to 170 mA</td>
</tr>
<tr>
<td>Operating temperature</td>
<td>0 to 55°C (32 to 140°F)</td>
</tr>
<tr>
<td>Storage temperature</td>
<td>–40 to 85°C (–40 to 185°F)</td>
</tr>
</tbody>
</table>
**Specification** | **Description**
--- | ---
Shock | 30g operational
| 50g non-operational
| 5g from 10150 Hz
Relative humidity | 5 to 95% (non-condensing)
LED indicators | Module status
| Backplane transfer status
| Application status
| Serial activity and error LED status
Configuration Serial port (PRT1) | Mini-DIN
| RS-232
| Hardware handshaking
Application serial Port (PRT2) | Mini-DIN
| RS-232/422/485 jumper selectable
| 500V optical isolation from backplane
Dimensions (with Module installed in Base) | 3.7H x 3.7W x 2.7D inches
| 94H x 94W x 69D mm

### Functional Specifications

**Development Environment**
- Operating system: General software DOS 6-XL
- Compatible compiler (16-bit DOS target)
  - Digital Mars C++ V8.49 (included)
  - Borland C++ V5.02

**Application Programming Interfaces (API)**
- Serial Port API: serial port functions
- Backplane API: low level backplane functions
- ADM API debug port functions: debug port functions, database functions timer functions, high level backplane transfer functions, LED functions, flash read functions

### Additional Products
ProSoft Technology offers a full complement of hardware and software solutions for a wide variety of industrial communication platforms. Compatible products in the inRAx product line also include:

**Generic Serial ASCII Interface Module (MVI94-GSC-E)**

### Ordering Information
To order this product, please use the following:

**MVI94-ADM**
'C' Programmable Application Development Module

To place an order, please contact your local ProSoft Technology distributor. For a list of ProSoft distributors near you, go to http://www.prosoft-technology.com

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January 29, 2007