# ADVANCED DIGITAL-LOGIC INC
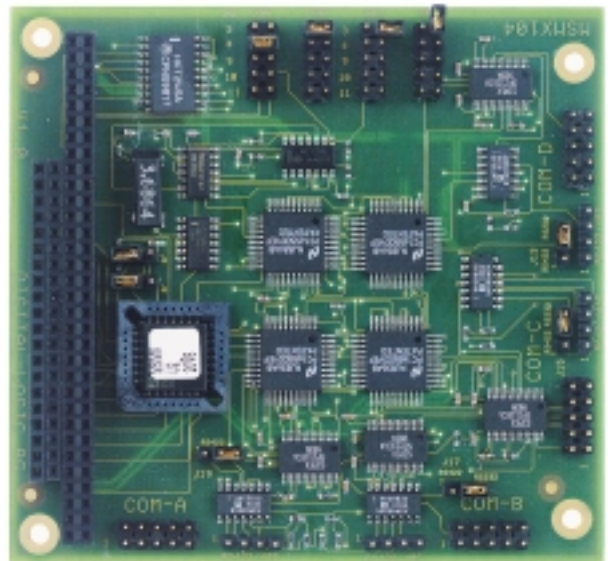Embedded Industrial Computer Solutions

## COM3/4-LPT2
## MSMR104, MSMX104

### Features

- COM3 and COM4: RS232C and/or RS485
- LPT2
- Selectable Interrupts
- Single +5V supply
- Operating Temperature:  -25 to 75ºC



### Description

The MICROSPACE module MSMR104 is based on SMC's  "Fast Serial Port Super I/O" controller FDC 37C664.  The board integrates two serial interfaces and one bi-directional parallel interface.

The serial controller is configured as COM3 and COM4 with selectable interrupts.  The interrupts are:  IRQ 3, 4, 10, 11.

COM3 and COM4 are individually selectable by jumpers as RS232C or RS485.  The LPT2 parallel interface can be used in a bi-directional way.  For most operating systems, a wide range of drivers is available.

### Ordering Information

| Item codes | Part # | Description |
|---|---|---|
| MSMR104 | 801040 | 2-COM Interface RS232/RS485 (COM3+COM4) |
| MSMX104 | 806011 | 4-COM Interface (RS232/RS422/RS485 selectable) |

## Technical Specifications

| Features | Functions | Remarks |
|---|---|---|
| **Controller** | SMC37C664 | |
| Clock Frequency | 24MHz | |
| **Serial Controller** | 16C550 compatible | |
| FIFO | 16 Bytes | |
| Baud Rates | 300 Baud - 115kBaud | |
| Interrupt | 3, 4, 10, 11 | |
| Interface COM3 | RS232C / V24 (default) | 10 pins |
| | RS485 (jumper selectable) | 10 pins |
| Interface COM4 | RS232C / V24 (default) | 10 pins |
| | RS485 (jumper selectable) | 10 pins |
| **Parallel Controller** | | |
| LPT2 | Bi-directional | |
| Interrupts | 5 or 10 | |
| **General** | | |
| Power Supply | 5V, 150mA | |
| Bus | PC/104 | 104 stack through pins |
| Size | 3.6” x 3.8” x 0.8”  (90 x 96 x 20 mm) | |
| Operating Temp | -25 to +75ºC | |
| Storage Temp | -65 to +125ºC | |