

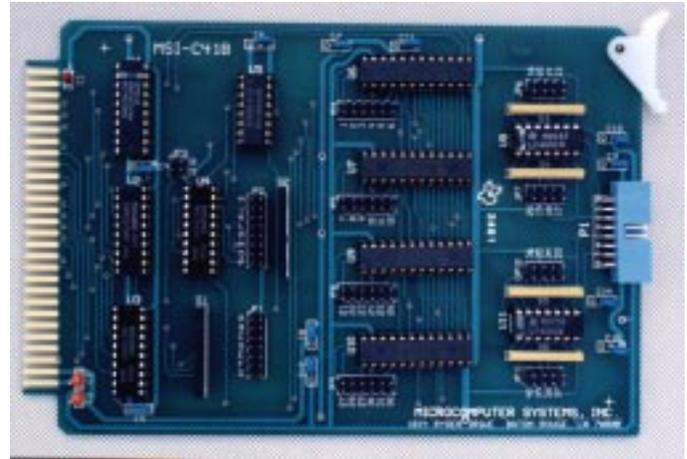
MSI STD BUS Embedded Series

MSI-C418 and MSI-C422 CMOS Analog Output Cards

MSI-C418 ANALOG OUTPUT CARD

The MSI-C418 is a 12-bit CMOS analog output card which provides an economical solution for industrial applications requiring high resolution analog outputs. The card is designed for universal use with all STD BUS processor cards. Two versions provide four (C418-4) or eight (C418) output channels with ± 1 LSB accuracy, respectively. The unit incorporates Analog Devices AD7237KN dual-channel converters and CMOS buffer amplifiers on each output. Output ranges of each channel are individually jumper selectable for 5V, 10V, ± 5 V or ± 10 V. Card addressing is jumper selectable for 8-bit or 16-bit memory or I/O mapping with MEMEX and IOEXP. The card occupies 32 bytes of address space. Outputs are provided by a 16-pin AMP type 103311-3 connector. The card requires +5V and ± 12 V or ± 15 V.

Request the *MSI-C418 User Manual's* for detailed information.



FEATURES

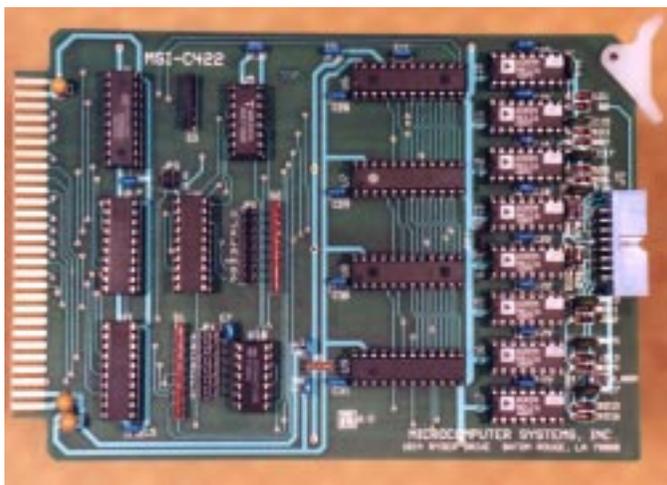
- ◆ Four or eight 12-bit analog output channels with ± 1 LSB accuracy.
- ◆ Selectable 5V, 10V, ± 5 V and ± 10 V ranges.
- ◆ Selectable 8-bit and 16-bit memory or I/O mapped addressing with MEMEX and IOEXP.

MSI-C422 ANALOG OUTPUT CARD

- ◆ Four or eight 12-bit analog output channels with ± 1 LSB accuracy.
- ◆ 4-20 mA outputs requiring no potentiometer adjustments.
- ◆ LED alarm indication and status input for open output loop or out of range input condition.
- ◆ Jumper selectable 8-bit and 16-bit memory or I/O mapped addressing with MEMEX and IOEXP.

The MSI-C422 is a 12-bit CMOS analog output card which provides an economical solution for industrial applications requiring 4-20 mA analog outputs. The card is designed for universal use with all STD BUS processor cards. Two models provide four (C422-4) or eight (C422) output channels with ± 1 LSB accuracy, respectively. The unit incorporates Analog Devices AD7237KN dual-channel converters with AD694 voltage-to-current converters on each output. Card addressing is jumper selectable for 8-bit or 16-bit memory or I/O mapping with MEMEX or IOEXP. The card occupies 32 bytes of address space. Outputs are provided by AMP type 103311-3 connectors. The card requires +5V @ 10 mA, +12V @ 32 mA/channel and -12V @ 3 mA/channel.

Request the *MSI-C422 User's Manual* for detailed information.



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