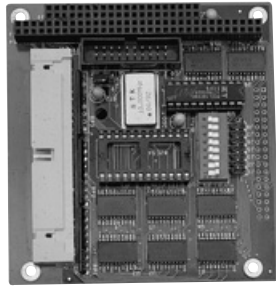


# AX10424

24-Bit DIO & 3 Channel Counter/Timer Module



## Features

- ▶ 24-bit TTL/DTL digital I/O
- ▶ 3 programmable counter/timer channels
- ▶ 50-pin digital connector compatible with AX756, AX755, AX754 or AX1416/24
- ▶ Supports Windows® 95/98/NT/2000 driver

## Specifications

Dynamic Performance	
Input/Output Lines	24
I/O Configuration	TTL/DTL compatible
Operation Mode	Emulates 8255 mode 0
Input/Output Mode	Pair
Improved Noise Margins Hysteresis, $V + -V = 0.4$ (typ.)	
Programmable Counter and Timer	
Type	82C54
Number of Counter	Independent 16-bit counters
Frequency Range	DC to 10MHz
Mode	6 programmable mode
Input/Output Level TTL, DTL, CMOS compatible	
Power Requirements	
+5V <sub>DC</sub>	400mA max.

## Physical/Environmental

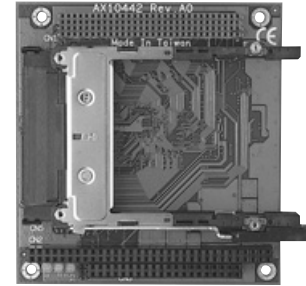
Dimensions (L x W)	96 x 90mm
Weight	200g
Relative Humidity	20 to 90%, non-condensing

## Ordering Information

Standard	
AX10424	24-bit DIO & 3-channel counter/time module
AX951A	Universal screw terminal board
AX754	24-channel opto-isolated DI board
AX755	8 relay & 16 opto-isolated DI board
AX756	24-channel relay actuator board
AX755/24	8 relay out & 16 opto-isolated DI board
Optional	
AS59099	DOS, Windows® 3.1/95/98/NT DDL driver and device utility CD
AS59080	ActiveX control driver, 3rd party drivers (LABTECH, Labview, DasyLab) and OPC server

# AX10445A+/B+

Dual Channel Isolated Port RS-422/485 Module



## Features

- ▶ Reliable communication up to 4000 feet at 100K bps
- ▶ Baud rate up to 57600
- ▶ Fully isolated input and output for AX10445A

## Specifications

Baud Rate	50 to 57600 bps
Clock Input	18432MHz
Interrupt Level	IRQ 2, 3, 4, 5, 6, 7
I/O connector	Dual 9-pin D-type male connectors or dual flat expanded D-type connector
Bus Connector	64-pin / 40-pin male / female header
Transmitter	Device: SN75172 or equivalent high level Voltage: 3.7V typical at 33mA source Low level voltage: 1.1V typical at 33mA source High level current: 60mA source max. Low level current: 60mA source max.
Receiver	Device: SN75173 or equivalent differential Input threshold: 0.2V max. Hysteresis: 50mA typical Input Impedance: >12KΩ with terminators
Power Requirements	* AX10445A: +5V <sub>DC</sub> , 500mA typ. * AX10445B: +5V <sub>DC</sub> , 300mA typ.

## Physical/Environmental

Dimensions (L x W)	96 x 90mm
Weight	125g
Relative Humidity	20 to 90%, non-condensing

## Ordering Information

Standard	
AX10445A+	Isolated dual port RS-422/485 module
AX10445B+	Dual port RS-422/485 module