Our Products Make Your Product Better®

To learn more about EMAC's products and services and how they can help your project

http://ftp.emacinc.com/Tech_Info/About_EMAC_Products_and_Services.pdf

Authorized Distributor, Integrator, and Value-Added Reseller

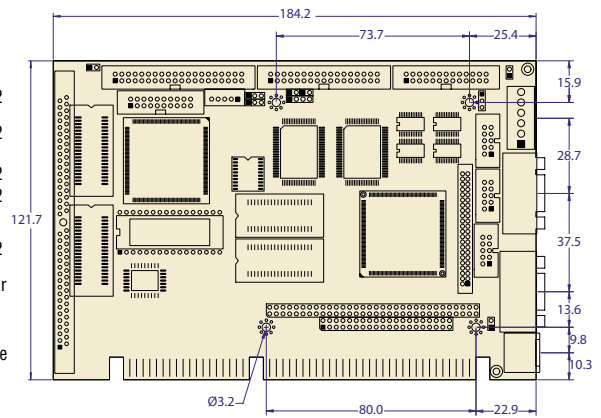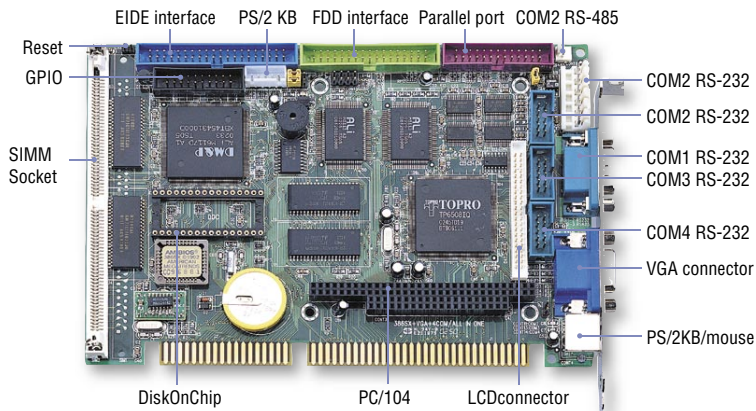Manual downloaded from ftp.emacinc.com

For purchase information please contact info@emacinc.com

For technical support please submit a ticket at www.emacinc.com/support

EIDE interface PS/2 KB FDD interface Parallel port COM2 RS-485
Reset
GPIO
COM2 RS-232
COM2 RS-232
SIMM Socket
COM1 RS-232
COM3 RS-232
COM4 RS-232
VGA connector
PS/2KB/mouse
DiskOnChip PC/104 LCDconnector

184.2
73.7
25.4
15.9
121.7
28.7
37.5
13.6
9.8
10.3
Ø3.2
80.0
22.9

Unit: mm

1 Mity/Tiny Module

2 PC/104 Module

3 3.5"/ATX Module

4 Half-Size Module

5 Peripheral Module

6 Accessories

Specifications

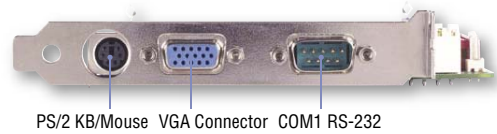|	
SoC	DM&P(ALi) M6117D System-on-Chip CPU 386SX-40MHz Real Time Clock with Lithium Battery Backup
Bus	PC/104 standard compliant
BIOS	AMI BIOS
System Memory	Onboard 4MB EDO RAM, up to 20MB (optional)
Watchdog Timer	Software programmable from 30.5 us to 512 seconds
VGA	TOPRO TP6508IQ Chipset VGA and Mono/STN/DSTN/TFT Flat Panel interface support Onboard 1MB VGA Memory, support resolution up to 1024x768, 256 colors
Flash Disk Support	MSTI EmbedDisk Module (16MB and above) PQI DiskOnModule (16MB and above) M-System DiskOnChip 2000 (16MB and above) Winbond DIP Package Flash W29C040 (512KB)
I/O Interface	Enhanced IDE port x1 FDD port x1 RS-232 port x3 RS-232/485 port x1 Parallel port x1 16-bit GPIO port x1
Connectors	72-pin socket for SIMM Module x1 2.54mm 44-pin box header for IDE x1 2.0mm 44-pin box header for LCD x1 2.54mm 34-pin box header for FDD x1 32-pin DIP socket for DOC x1 2.54mm 26-pin box header for Printer x1 2.54mm 20-pin box header for 16-bit GPIO x1 2.54mm 10-pin box header for RS-232 x3 6-pin P8 Power connector for Power Input 2.54mm 5-pin box header for Keyboard x1 2.54mm 2-pin header for RS-485 x1 2.54mm 2-pin header for Reset x1 External 15-pin D-Sub female connector for VGA External 9-pin D-Sub male connector for RS-232 x1 External Mini DIN connector for Keyboard/Mouse x1
Power Requirement	Single Voltage +5V @770mA

Weight	200g
Board Size	184 X 122mm (7.24 x 4.8 inches)
Operating Temperature	-20°C ~ +70°C

PS/2 KB/Mouse   VGA Connector   COM1 RS-232

		COM1	COM2	COM3	COM4
Shared (default)	JP8 1-2 Close	IRQ 3			IRQ 3
	JP9 1-2 Close		IRQ 4	IRQ 4	
Independent	JP8 2-3 Close	IRQ 3			IRQ 11
	JP9 2-3 Close		IRQ 4	IRQ 10	

ICOP-6025V supports 4 serial ports. User can easily choose Shared/Independent IRQ by setting JP8 and JP9.

JP8
JP9

JP6   JP2
JP6 IDE-LED   JP2 PWR-LED
CONT 5   SPK

Packing List

- ICOP-6025V x1
- CD for User's Manual & Driver x1
- Cable
  AT BUS x1
  PRINT+F x1
  RS-232 x3 (ICOP-6025V)
  RS-232 x1 (ICOP-6024V)
  YKB x1

Ordering information:

- **ICOP-6025V** M6117D Half-Size CPU Module
- **DM&P 4/16MB SIMM Module**
- **LCD-064-SET** 6.4" LCD Kit