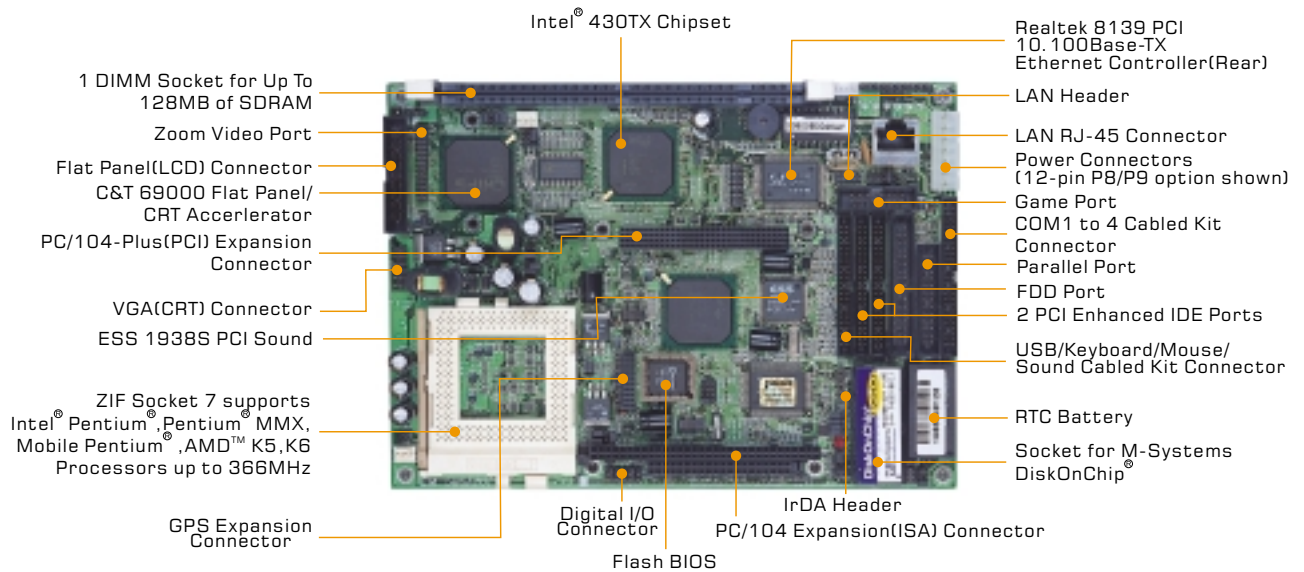


# EM-586EBX



## 5.25" EBX Pentium® SBC with VGA/ LCD/LAN/Sound/GPS



## FEATURES

- Support Socket 7 Low-power CPU
- Intel® 430TX chipset
- C&T 69000 VGA/LCD chipset
- Support 10/100 Base-TX interface
- Reserved Socket for DiskOnChip® up to 144MB
- Reserved Header for GPS module
- PC/104-plus expansion slot
- 5.25" EBX Form Factor

## SPECIFICATION

### CPU

Support Intel® Low-power Embedded Pentium® MMX Processor and Intel® Pentium® P54C/P55C, AMD™ K5 /K6®

### Chipset

Intel® 430TX

### BIOS

256KB Award® BIOS

### Cache Memory

512KB pipelined burst synchronous cache

### System Memory

1x168-pin DIMM socket, support up to 128MB SDRAM

### VGA/LCD

C&T 69000 on chip 2MB SDRAM memory

### Ethernet

On-board Realtek 8139B, support 10/100 Base-TX Ethernet

### Sound

ESS 1938S PCI interface chip

### GPS

Reserved Header for GPS module

### Flash Memory Disk

Socket for DiskOnChip®, support up to 144MB flash disk

### IDE Interface

2 x PCI IDE ports support up to 4 Ultra DMA/33 EIDE devices

### Floppy Drive Interface

1 FDD port, support up to 2 floppy devices

### Serial Port

4 COM ports (3 x RS-232 and 1 x RS-232 / 422 /485)

### Parallel Port

1 multi-mode parallel port (SPP/EPP/ECP)

### Universal Serial Bus

Support 2 USB ports

### IR Interface

Supports 1 IrDA header

### RTC

Dallas RTC module

### PC/104 Expansion Bus

Built-in PC/104 & PC/104-Plus expansion slots

### DMA : 8 DMA channels

### Interrupts

16 levels of hardware Interrupts

### External Power Connector

On-board 4-pin & 7-pin external power connector

### Hardware Monitor : On-board Genesys 518SM

### Watchdog Timer

7 level time-out intervals (by software Program) & 4 bit digital I/O

### Power Consumption

+5V@4.85A(AMD™ K6-II 3D 350MHz)  
+12V:90mA -12V:20mA

### Operating Temperature : 0°C~ 60°C

### Humidity : 5% ~95% , non-condense

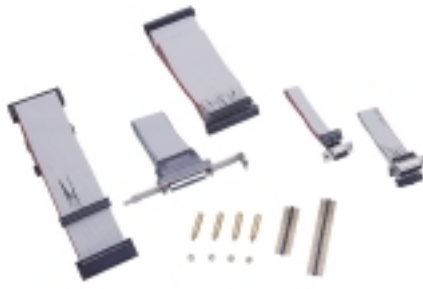
### Dimensions

203 x 146 mm (8" x 5 3/4");  
(Industrial standard EBX)

### Net Weight : 350g (0.77 pounds)



## OPTIONAL CABLE KITS



### EM-586CB FDD/Printer/IDE cable kit for EM-586EBX V1.0 with P8/P9 Power Connector

FDD cable	1pc	34-pin female header to 34-pin female header
Printer cable	1pc	26-pin female header to 25-pin female DB connector
IDE HDD cable	1pc	44-pin female header to 40-pin female header
PC/104 mounting kit	1set	4xbrass spacer (25mm), 4x null, 1x 40-pin gold contact and 1x 64-pin gold contact
CRT-2 cable	1pc	12-pin female header to 15-pin female DB Connector
Game port cable	1pc	16-pin female header to 15-pin female DB connector



### EM-586EBXCB FDD/Printer/IDE cable kit for EM-586EBX V1.1 with EBX Power Connector

FDD cable	1pc	34-pin female header to 34-pin female header
Printer cable	1pc	26-pin female header to 25-pin female DB connector
IDE HDD cable	1pc	44-pin female header to 40-pin female header
PC/104 mounting kit	1set	4xbrass spacer (25mm), 4x null, 1x 40-pin gold contact and 1x 64-pin gold contact
CRT-2 cable	1pc	12-pin female header to 15-pin female DB Connector
Game port cable	1pc	16-pin female header to 15-pin female DB connector
EBX cable	1pc	7-pin+4-pin to P8/P9 12 pin Power Transfer cable



### EM-COM-01 COM cable kit

EM-COM-01 Board	1pc	Two rows by two columns 9-pin male DB connectors
4-COM cable	1pc	50-pin female header to 50-pin female header



### EM-COM-02 COM cable kit

EM-COM-02 Board	1pc	Three 9-pin male DB connectors and one 10-pin male header Daughter Board
4-COM cable	1pc	50-pin female header to 50-pin female Header
1-COM cable	1pc	10-pin female header to 9-pin DB



### EM-UKMS-02 USB/KB/Mouse/Sound cable kit

EM-UKMS-02 Board	1pc	USB/Keyboard/Mouse/Sound Daughter Board (2xUSB port, 6-pin mini Din x 2, 6-pin AT socket and 3x RCA jack)
USB/KB/Mouse/Sound cable	1pc	44-pin female header to 44 pin . Female header
Keyboard Cable	1pc	8-pin female flat header to 5-pin PS/2 keyboard connector



### EM-EVG-01 VGA/LAN/Game cable kit

LAN cable	1pc	2x 8-pin RJ-45 connector cable
EM-EVG-01 Board	1pc	LAN/VGA/Game Daughter Board (15-pin VGA connector, RJ-45 Socket & 15-pin DB connector)
Game cable	1pc	16-pin female header to 16-pin female header
VGA cable	1pc	16-pin female header to 16-pin female header