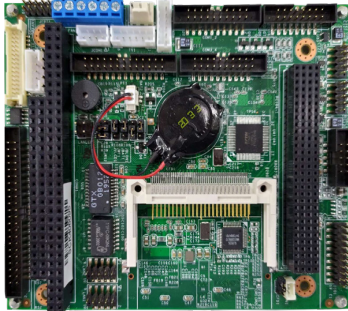




# PBE-1101

## ETX Carrier board



### Features

- ETX® 3.02 Carrier Board
- PC/104-Plus Interface
- Analog RGB, LVDS Display
- 4 x USB Ports, 4 x Serial Ports
- CompactFlash Disk Socket
- **Wide Range Operating Temp.: -40 ~ 85°C**

### I/O

|                  |                                                                                       |
|------------------|---------------------------------------------------------------------------------------|
| Serial Port      | 3 x RS-232 port with pin-header<br>1 x RS-232/422/485 selectable port with pin-header |
| Parallel Port    | 1 x LPT port                                                                          |
| Keyboard & Mouse | 1 x box header (PS/2 interface for keyboard and mouse)                                |
| USB 2.0          | 4 x USB 2.0 port w/ pin header                                                        |
| Expansion        | PC/104-Plus interface<br>1 x I2C                                                      |
| Storage          | 1 x IDE box header<br>1 x CompactFlash Type II socket                                 |
| Ethernet         | 1 x LAN port by CPU module<br>1 x GbE port                                            |
| Digital I/O      | 16-bit Digital Input/Output, 8-in/ 8-out                                              |
| Audio            | Mic-in/Line-in/Line-out                                                               |
| RF               | 1 x IrDA                                                                              |

### Display

|                   |                                                    |
|-------------------|----------------------------------------------------|
| Graphic Interface | 1 x VGA port<br>1 x Dual channels 24-bit LVDS port |
|-------------------|----------------------------------------------------|

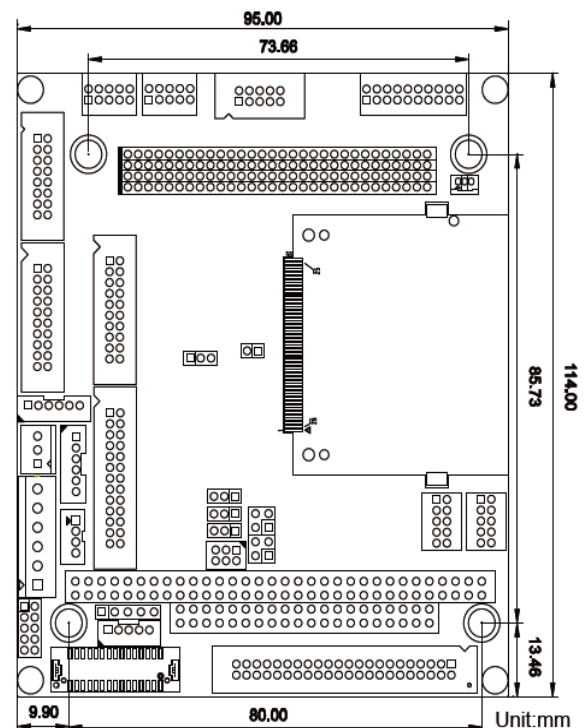
### OS Support

Depends on CPU module

### Mechanical & Environmental

|                    |                                                                      |
|--------------------|----------------------------------------------------------------------|
| Power Requirement  | +12V DC input                                                        |
| Power Consumption  | 1.789A@5V with EmETX-i2304-E3825<br>2.025A@5V with EmETX-i2304-E3845 |
| Operating Temp.    | -40 ~ 85°C (-40 ~ 185°F)                                             |
| Operating Humidity | 10 ~ 95% @ 85°C (non-condensing)                                     |
| Dimensions (L x W) | 114 x 95mm(4.48" x 3.7")                                             |

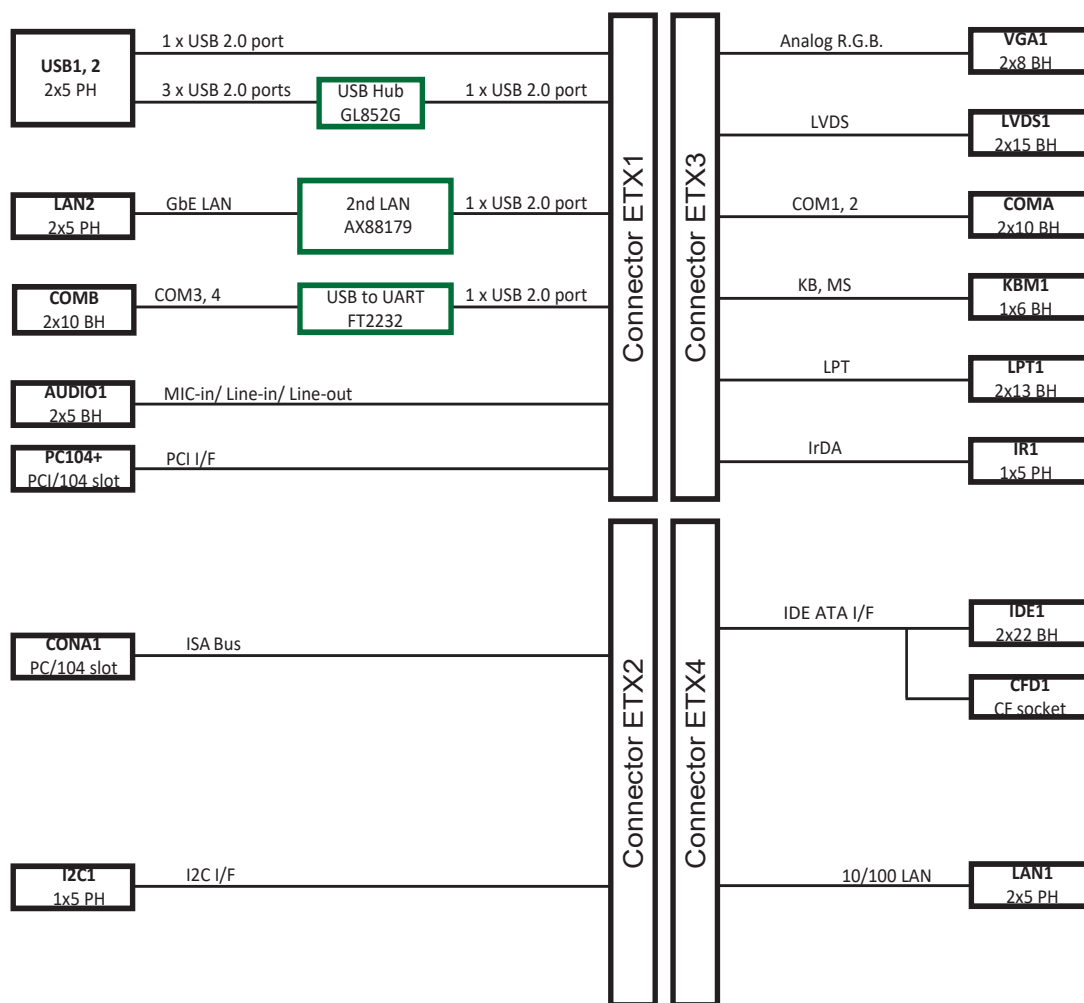
### Dimensions



All specifications are subject to change without notice.



## Block Diagram



## Ordering Information

PBE-1101 ETX 3.02 Carrier Board

## Optional Accessories

|                |                           |
|----------------|---------------------------|
| CBK-15-1101-00 | Cable kit                 |
|                | 1 x Audio cable           |
|                | 2 x USB cables            |
|                | 2 x Serial port cables    |
|                | 1 x IDE cable             |
|                | 1 x LPT cable             |
|                | 2 x Ethernet cables       |
|                | 1 x VGA cable             |
|                | 1 x KB/MS cable           |
|                | 2 x SATA cables           |
|                | 1 x Power cable (4 wires) |
|                | 1 x Power cable (2 wires) |

## Assured Systems

Assured Systems is a leading technology company with over 1,500 regular clients in 80 countries, deploying over 85,000 systems to a diverse customer base in 12 years of business. We offer high-quality and innovative rugged computing, display, networking and data collection solutions to the embedded, industrial, and digital-out-of-home market sectors.

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