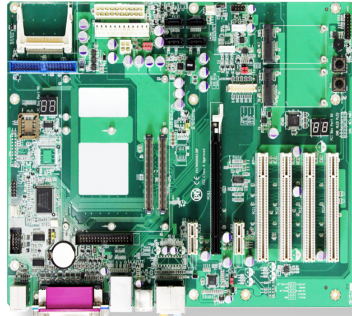




# PBE-1700

COM Express® Type 2 Evaluation Carrier Board in ATX Form Factor



## Features

- Integrated Gigabit Ethernet
- **COM Express® Type 2 Evaluation Board**
- Analog RGB, LVDS and TV-out supported
- **Wide Range Operating Temp.: -40 ~ 85°C**

## I/O

|                  |                                                                                        |
|------------------|----------------------------------------------------------------------------------------|
| Super IO Chipset | Winbond W83627HG or Fintek F71869                                                      |
| Serial Port      | 2 x RS-232                                                                             |
| Parallel Port    | SPP/EPP/ECP mode                                                                       |
| Keyboard & Mouse | Standard PS/2 keyboard/ mouse connectors                                               |
| USB 2.0          | 6 x USB 2.0 ports                                                                      |
| Expansion        | 2 x PCIe x1 slots<br>1 x ExpressCard socket                                            |
| Storage          | 4 x SATA connectors<br>1 x Ultra ATA connector, 1 x FDD connector,<br>1 x CF II socket |
| Ethernet Chipset | 1 x by CPU module                                                                      |
| Digital I/O      | 8-bit Programmable                                                                     |
| Audio            | Realtek ALC888 7.1 Channel HD Audio<br>CODEC, Mic-in/Line-in/Line-out                  |

## Display

|                   |                                                               |
|-------------------|---------------------------------------------------------------|
| Graphic Interface | Analog RGB/ DVI: 1 x VGA connector<br>LCD: 1 x LVDS connector |
|-------------------|---------------------------------------------------------------|

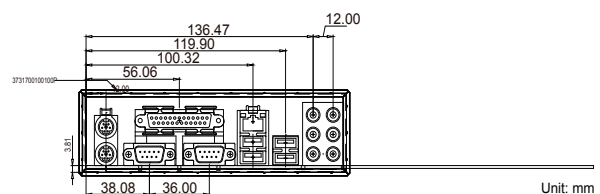
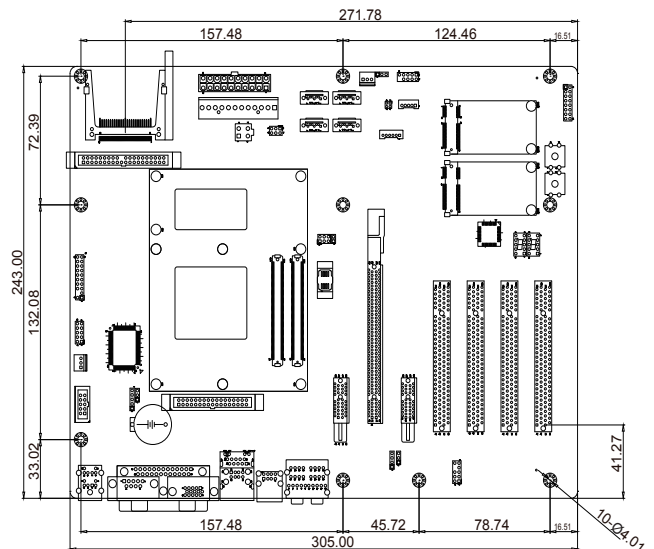
## OS Support

Depends on CPU Module

## Mechanical & Environmental

|                       |                                       |
|-----------------------|---------------------------------------|
| Power Requirement     | AT or ATX power connector             |
| Power Consumption     | 1.11A@12V with EmETXe-i2503 (Typical) |
| Operating Temp.       | -40 ~ 85°C (-40 ~ 185°F)              |
| Operating Humidity    | 10 ~ 95% @ 85°C (non-condensing)      |
| Dimensions<br>(L x W) | 305 x 244 mm (12" x 9.6")             |

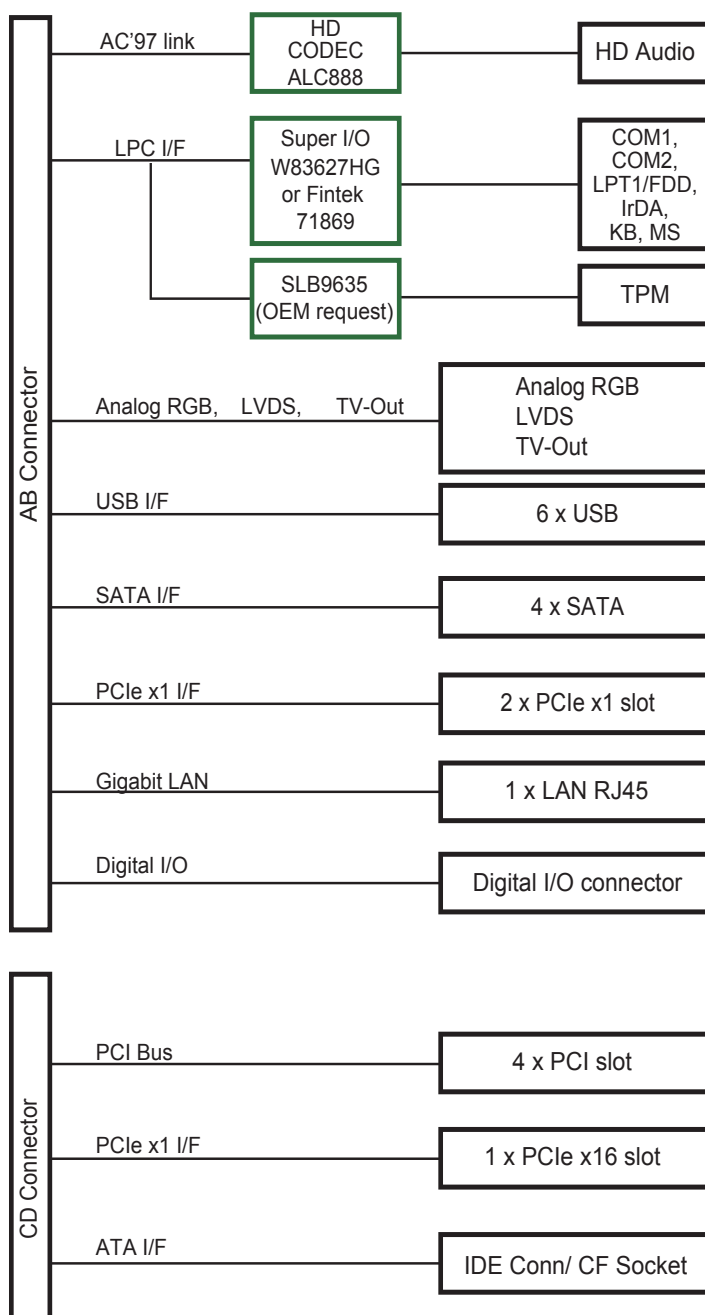
## Dimensions



Unit: mm



### Block Diagram



### Ordering Information

|                 |                                                                                        |
|-----------------|----------------------------------------------------------------------------------------|
| PBE-1700-W R1.3 | COM Express® Type 2 evaluation carrier board with Super IO W83627 in ATX form factor   |
| PBE-1700-F R1.3 | COM Express® Type 2 evaluation carrier board with Super IO F71869ED in ATX form factor |

### Optional Accessories

|                |                                                                                        |
|----------------|----------------------------------------------------------------------------------------|
| CBK-04-1700-00 | Cable kit<br>1 x SATA cable<br>1 x Serial port cable<br>1 x FDD cable<br>1 x IDE cable |
|----------------|----------------------------------------------------------------------------------------|

## 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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