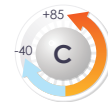
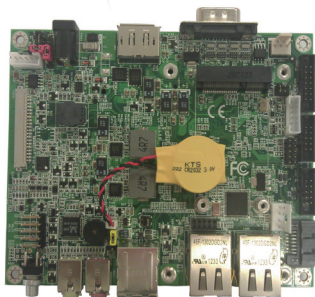


# PBN-9007



**COM  
Express**

## COM Express Type 10 Carrier Board



### Features

- **COM Express Type 10 Carrier Board**
- LVDS, and Display Port
- Soldered Onboard Touch Screen Controller
- **Wide Range Operating Temp.: -40 ~ 85°C**

### I/O

|                         |                                                                             |
|-------------------------|-----------------------------------------------------------------------------|
| <b>Serial Port</b>      | 2 x COM Ports (1 x COM with DB-9, 1 x RS-232/422/485 selectable)            |
| <b>USB Port</b>         | 6 x USB 2.0 ports                                                           |
| <b>Digital I/O</b>      | 8-bit programmable Digital Input/Output                                     |
| <b>AUDIO/ Interface</b> | HD CODEC Realtek ALC662, MIC/ Line-out phone jack                           |
| <b>Touch Panel</b>      | 1 x Touch                                                                   |
| <b>Expansion Bus</b>    | 1 x Mini-Card socket<br>1 x SIM socket                                      |
| <b>Ethernet Chipset</b> | 1 x Intel® 82583V PCIe Gigabit Ethernet controller<br>1 x GbE by CPU module |

### Display

|                           |                                        |
|---------------------------|----------------------------------------|
| <b>Graphics Chipset</b>   | GPU: Depending on CPU module           |
| <b>Graphics Interface</b> | 1 x LVDS connector<br>1 x Display Port |

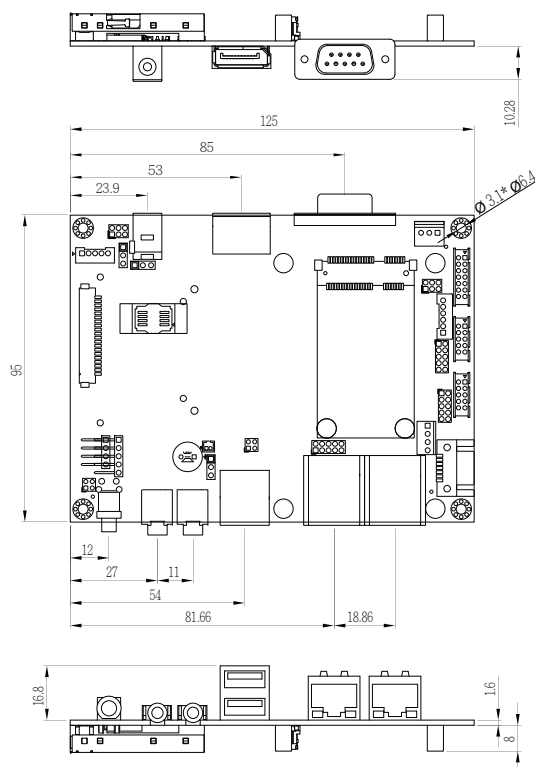
### Touch Screen Interface

|             |                   |
|-------------|-------------------|
| <b>Mode</b> | 5-pin header wire |
|-------------|-------------------|

### Mechanical & Environmental

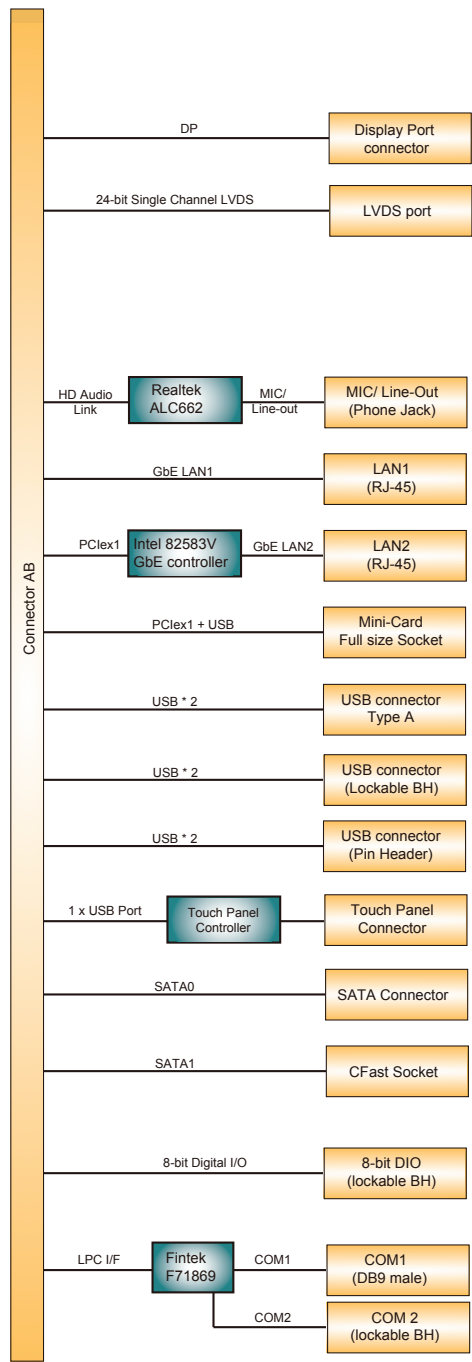
|                           |                                      |
|---------------------------|--------------------------------------|
| <b>Power Requirement</b>  | +12V DC                              |
| <b>Power Consumption</b>  | 1.67A@+12V w/ EmNANO-i250D (Typical) |
| <b>Operating Temp.</b>    | -40 ~ 85°C (-40 ~ 185°F)             |
| <b>Operating Humidity</b> | 0 ~ 90% (non-condensing)             |
| <b>Dimension (L x W)</b>  | 125 x 95 mm (4.9" x 3.7")            |

### Dimensions





# Block Diagram



## Ordering Information

|                |                                                                                                                                                                               |
|----------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| PBN-9007       | COM Express Type 10 Carrier Board                                                                                                                                             |
| CBK-05-9007-00 | Cable kit <ul style="list-style-type: none"><li>1 x SATA cable</li><li>1 x SATA Power cable</li><li>1 x COM port cable</li><li>1 x USB cable</li><li>1 x PS/2 cable</li></ul> |

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