Portwell

# Portwell COM-HPC & COM Express

## COM-HPC Server (200 x 160 mm)



### PCOM-B800GT

**Size E module with Intel® ICE LAKE-D CPU**

- Intel® Xeon® D-2800 and D-2700 series
- 8x DDR4 Long-DIMM up to 1024GB
- Temperature Range 0 ~ 60 °C

## COM-HPC Client (160x120mm)



### PCOM-B887

**Size C module with Intel® Arrow Lake CPU**

- Intel® Core™ Ultra series
- 4x DDR5 SO-DIMM up to 192GB
- Temperature Range 0 ~ 60 °C

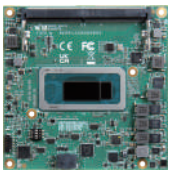


### PCOM-B885

**Size C module with Intel® Raptor Lake-S Refresh CPU**

- Intel® Core™ processor
- 4x DDR5 SO-DIMM up to 192GB
- Temperature Range 0 ~ 60 °C

## COMe Type 6 Compact (95 x 95 mm)



### PCOM-B659

**COM-Express module with Intel® Raptor Lake CPU**

- 13th Gen Core™ P/U series
- 2x DDR5 SODIMMs up to 128GB
- Wide temperature -40°C ~ 85°C
- PCIe NVMe SSD (optional)



### PCOM-B65B

**COM-Express module with Intel® Panther Lake CPU**

- Core™ Ultra series 3
- 2x DDR5 SODIMMs up to 128GB
- PCIe NVMe SSD (optional)

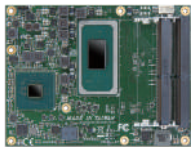


### PCOM-B65C

**COM-Express module with AMD® Embedded Ryzen™ CPU**

- AMD® Ryzen™ 8000 series
- 2x DDR5 SODIMMs up to 96GB
- PCIe NVMe SSD (optional)

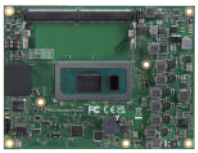
## COMe Type 6 Compact (95 x 95 mm)



### PCOM-B657

**COM-Express module with Intel® Tiger Lake CPU**

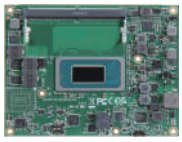
- 11th Gen Core™ H series
- 2x DDR4 SODIMMs up to 64GB
- Wide temperature -40°C ~ 85°C



### PCOM-B658

**COM-Express module with Intel® Raptor Lake CPU**

- 13th Gen Core™ H series
- 2x DDR5 SODIMMs up to 128GB
- Wide temperature -40°C ~ 85°C
- PCIe NVMe SSD (optional)



### PCOM-B65A

**COM-Express module with Intel® Arrow Lake CPU**

- Core™ Ultra series 2 U/H
- 2x DDR5 SODIMMs up to 128GB
- PCIe NVMe SSD (optional)

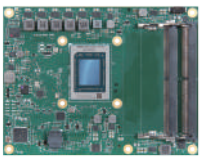
## COMe Type 7 Basic (125 x 95 mm)



### PCOM-B701

**COM-Express module with Intel® Denverton CPU**

- Atom® C3000 Refresh series
- 3x DDR4 SODIMMs up to 96GB
- Wide temperature -40°C ~ 85°C
- Up to 4x 10GbE KR ports



### PCOM-B706

**COM-Express module with AMD® Embedded Ryzen™ CPU**

- AMD® Ryzen™ V3000 series
- 2x DDR5 SODIMMs up to 96GB
- Wide temperature -40°C ~ 85°C
- Up to 2x 10GbE KR ports



### PCOM-B707

**COM-Express module with Intel® Ice Lake D Refresh CPU**

- Xeon® D-1700 and D-1800 series
- 2x DDR4 SODIMMs up to 64GB
- Wide temperature -40°C ~ 85°C
- Up to 4x 10GbE KR ports

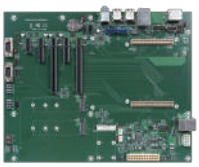
## Carrier Board for COM-HPC Server / Client Module



### PCOM-C882

**ATX size carrier board for COM-HPC Client size B / C module**

- Support USB3.2 Gen2, SATA, PCIe Gen5 / 4, 2.5G RJ45, Displayport
- Support LTE / 5G and WiFi
- Standard ATX PSU input



### PCOM-C880

**ATX size carrier board for COM-HPC Client size A / B / C module**

- Support USB 3.2 Gen2, SATA, PCIe Gen4, 2.5G RJ45, Displayport
- Standard ATX PSU input

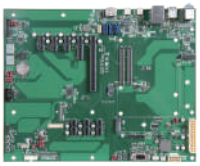


### PCOM-C800

**eATX carrier board for COM-HPC Server size D and E module**

- Full PCI Express expansion
- Support PCIe Slots (One x16, Four x8, Two x4, Two M.2 NVME x4 and RunBMC
- Support OCP RunBMC Slot and proprietary PHY Card for KR0 / KR1 extension

## Carrier Board for COM Express / SMARC Module



### PCOM-C60F

**ATX size carrier board for COM Express Type 6 module**

- 2x USB Type-C port (USB4 & DDI)
- PEG x16, PCIe x4, M.2 M-key, 2.5G RJ45



### PCOM-C605R

**Mini-ITX size carrier board for COM Express Type 6 module**

- 2x USB 3.2 Gen2, 2x SATA, 2x 2.5GbE
- 3x DP, 1x VGA, 1x LVDS, 1x eDP
- M.2 M/B/E key and PCIe slot



### PCOM-CC01

**Micro ATX size carrier board for SMARC module**

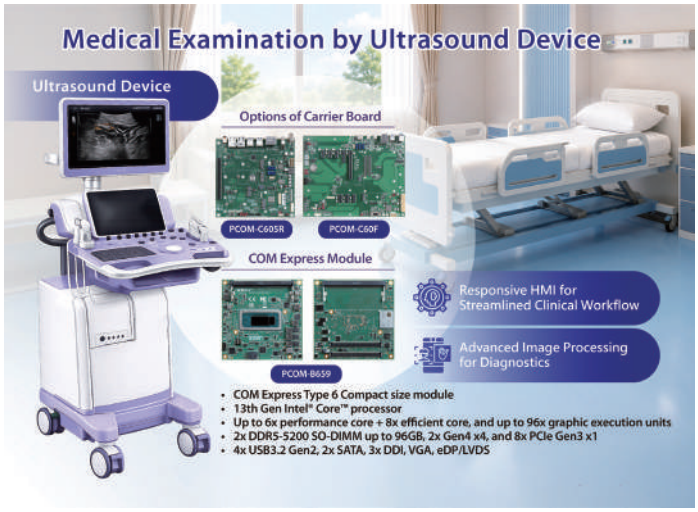
- 1x HDMI®, 1x DP++ / USB Type C Display, 1x LVDS / eDP
- Power consumption measurement
- M.2 Key M 2242/2280 up to PCIe x4
- 2x MIPI-CSI, 2ch + 4ch

## ▷ Computer-on-Module Application

### Anti-Drone Defense




### Medical Examination by Ultrasound Device





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