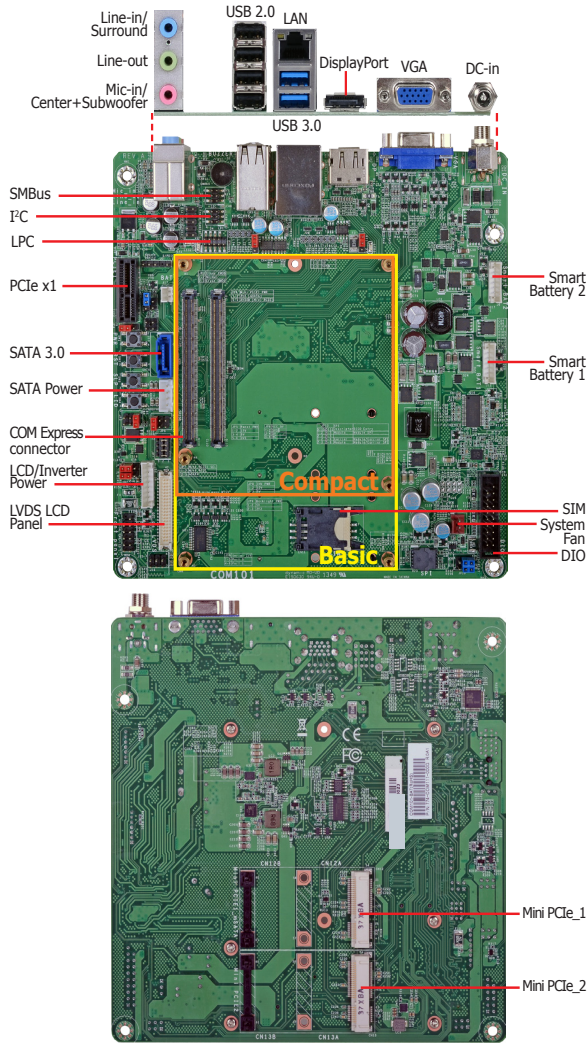




COM Express Carrier Board

# COM101-BAT

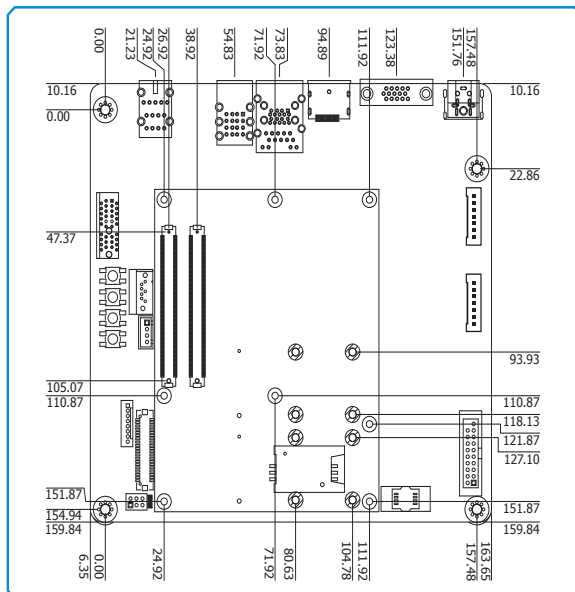


### Features

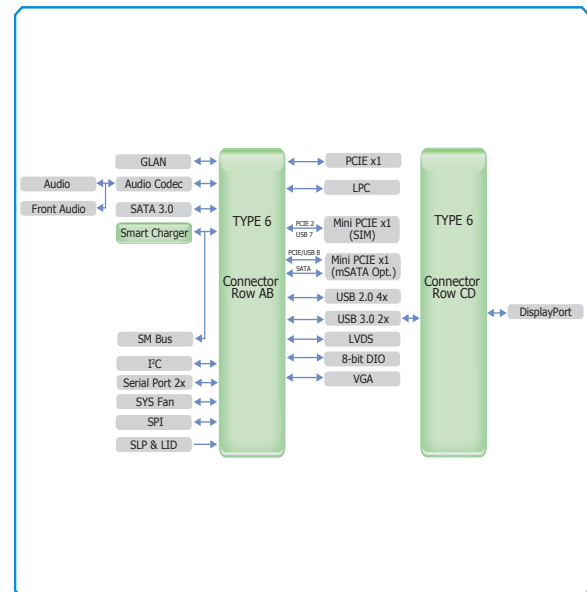
EXPANSION	1 PCIe x1 2 Mini PCIe 1 SIM
DISPLAY OUTPUTS	1 DisplayPort 1 VGA 1 LVDS
LAN	1 LAN
USB	6 USB: 2 USB 3.0, 4 USB 2.0
STORAGE	1 SATA 3.0
DIO	8-bit DIO
DIMENSIONS	170mm x 170mm (6.7" x 6.7")

Supports Compact and Basic modules

### Mechanical Drawing



### Block Diagram



COM Express Carrier Board



# COM101-BAT

**Specifications** \* Optional and is not supported in standard model. Please contact your sales representative for more information.

**ONBOARD GRAPHICS FEATURES**

- Display ports
  - 1 DisplayPort
  - 1 VGA
  - 1 24-bit dual channel LVDS

**ONBOARD AUDIO FEATURES**

- Realtek ALC886 7.1-channel High Definition Audio
- Audio outputs: Mic-in/Center+Subwoofer, line-in/surround and line out
- S/PDIF audio interface

**ONBOARD USB FEATURES**

- 2 USB 3.0 ports
- 4 USB 2.0 ports

**STORAGE**

- 1 SATA 3.0 port with data transfer rate up to 6Gb/s

**DIGITAL I/O**

- 8-bit Digital I/O connector
  - 4-bit GPI (General Purpose Input)
  - 4-bit GPO (General Purpose Output)

**REAR PANEL I/O PORTS**

- 19V DC-in jack
- 1 DisplayPort
- 1 RJ45 LAN port
- 2 USB 3.0 ports
- 4 USB 2.0 ports
- 1 VGA port
- Line-in/Surround, Line out, Mic-in/Center+Subwoofer jacks

**I/O CONNECTORS**

- 2 3-pin connectors for general purpose serial interface (Type 6)
- 1 LVDS LCD panel connector
- 1 LCD/inverter power connector
- 1 8-bit Digital I/O connector
- 1 front audio connector for line-out and mic-in jacks
- 1 S/PDIF connector
- 1 SATA 3.0 port
- 1 SATA power connector
- 2 Smart battery charger connectors
- 1 LPC connector
- 1 I<sup>2</sup>C connector
- 1 SMBus connector
- 1 front panel connector
- 1 fan connector

**EXPANSION SLOTS**

- 1 PCIe x1 slot (PCIe 2.0)
- 2 Mini PCIe slots (PCIe 2.0)
  - 1 slot supports PCIe and USB signals for 3G module
  - 1 slot supports PCIe, USB or mSATA signal
  - Supports half/full size Mini PCIe card
- 1 SIM card socket

**ROM INTERFACE**

- 1 SPI interface
  - Supports up to 64Mbit

**TEMPERATURE**

- Operating: 0°C to 60°C
- Storage: -20°C to 85°C

**HUMIDITY**

- 10% to 90%

**POWER OUTPUT**

- 12V, 5VSB, VCC\_RTC (ATX mode)
- 12V, 5V, VCC\_RTC (AT mode)
- 12V, VCC\_RTC (AT mode)

**PCB**

- Dimensions
  - Mini-ITX form factor
  - 170mm (6.7") x 170mm (6.7")
- Compliance
  - PICMG COM Express® R2.1, Type 6

**Packing List**

- 1 COM101-BAT board
- 1 SATA data with power cable
- 1 DVD

**Optional Items**

- SATA data with power cable
- Power adapter (120W, 19V, Level 6) : 671-110003-100G

## 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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