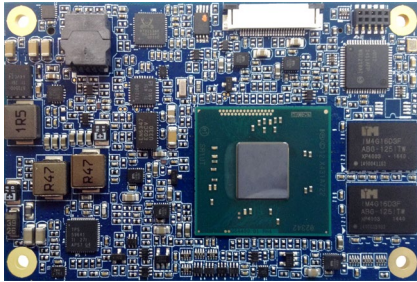


# CE-ABT01

Intel Atom Processor E3800 Series /  
Intel Celeron J1900 COM Express  
Type 10 Module



**COM Express®**



## System

CPU	Intel Atom Processor E3845 (1.91GHz/4C/10W) Intel Atom Processor E3827 (1.75GHz/2C/8W) Intel Atom Processor E3815 (1.46GHz/1C/5W) Intel Celeron Processor J1900 (2.0GHz/4C/10W)
System Memory	2GB/4GB DDR3L onboard memory down Non-ECC/unbuffered Data transfer rates up to 1333MT/s
BIOS	AMI uEFI 8MB SPI flash
Graphics	Intel 7th generation graphics and media encode/decode engine
Audio	Bay Trail SOC integrated HD audio codec interface
Watchdog Timer	H/W Reset, 0 – 255 steps Step = 1 sec. or 1 min
H/W Monitor	H/W monitor IC onboard Voltages monitoring list as below: • CPU core power • CPU I/O power • DDR power

## Mechanical & Environmental

Specification	PICMG COM.0: Revision 2.1 Type 10
Dimension	Mini size: 84mm x 55mm
Power Management	ACPI 5.0 compliant
Power Input	AT = +5V ~ +19V ATX = +5V ~ +19V / +5Vsb
Temperature	CE-ABT01: 0°C ~ 60°C CE-ABT01r: -20°C ~ 70°C CE-ABT01e: -40°C ~ 85°C
Operating Humidity	10% ~ 90% relative humidity, non-condensing

## I/O

COM Express Type 10 connector ROW A & B	1x 1-ch 24-bit LVDS 1x VGA 2x SATA II port 1x USB3.0 port 8x USB2.0 port (Port 7 multi-function with USB client) 1x DDI port 1x HD audio interface 1x LPC interface 1x GbE 3x PCIe x1 port 2x UART port 1x SMBus 1x SPI interface 1x I2C interface 1x 4-bit GPI 1x 4-bit GPO 2x Fan control signal 1x Reset signal 1x Power-on button signal 1x Watchdog Timer
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## Optional Accessories

6-BTA01S102	C&T COM Express Type 10 carrier board
3-HSK-ABT01	Heat sink for CE-ABT01 Dimension: 84mm x 55mm x 36mm

Board Level  
COM Express

Board Level  
3.5" SBC

Board Level  
Industrial M/B

Robust System

Intelligent System