

06 COM-BYTC2

COM Express Type 2 Compact Size with Intel® Atom™/ Celeron® Processor



Features

- Intel® Atom™/ Celeron® Processor SoC
- DDR3L SODIMM x 1, up to 8 GB, non-ECC Support
- Gigabit Ethernet x 1
- 18/24-bit Dual Channel LVDS LCD, VGA, eDP
- High Definition Audio Interface
- SATA x 1, PATA x 1 (1 Device)
- USB 2.0 x 7, USB 3.0 x 1, GPIO 8-bit, PCI-Express [x1] x 2 (Optional, up to 3), 32-bit PCI x 4
- COM Express Type 2 Compact Size 95mm x 95mm

Specifications

| System | |
|-----------------------------|--------------------------------------------|
| Form Factor | COM Express Compact Size |
| CPU | Onboard Intel® Atom™ Processor SoC |
| CPU Frequency | Up to J1900 1.91 GHz, Quad core |
| Chipset | Intel® Atom™ SoC |
| Memory Type | DDR3L 1066/1333, SODIMM x 1 |
| Max. Memory Capacity | 8GB |
| BIOS | AMI BIOS, Legacy Free |
| Wake on LAN | Yes |
| Watchdog Timer | 255 levels |
| Power Requirement | Standard: +12V |
| Power Supply Type | AT/ATX Selection |
| Power Consumption (Typical) | 1A@ 12V with J1900, full load |
| Dimension (L x W) | 3.75" x 3.75" (95mm x 95mm) |
| Operating Temperature | 32°F ~ 140°F (0°C ~ 60°C) |
| Storage Temperature | -4°F ~ 158°F (-20°C ~ 70°C) |
| Operating Humidity | 10% ~90% relative humidity, non-condensing |
| MTBF (Hours) | 80,000 |
| Certification | CE/FCC Class A |
| Display | |
| VGA/LCD Controller | Intel® Atom™ SoC |
| Video Output | VGA, LVDS, eDP |
| I/O | |
| Ethernet | Intel® I210IT, Gigabit Ethernet |
| Audio | HD Audio |
| USB Port | USB2.0 x 7 |
| Serial Port | — |
| HDD Interface | SATA x 1, PATA x 1 |
| Onboard SSD | — |
| Expansion Slot | PCIe[x1] x 2, PCI x 4, I2C, LPC, SMBus |
| DIO | GPIO 8-bit |
| TPM | Optional |



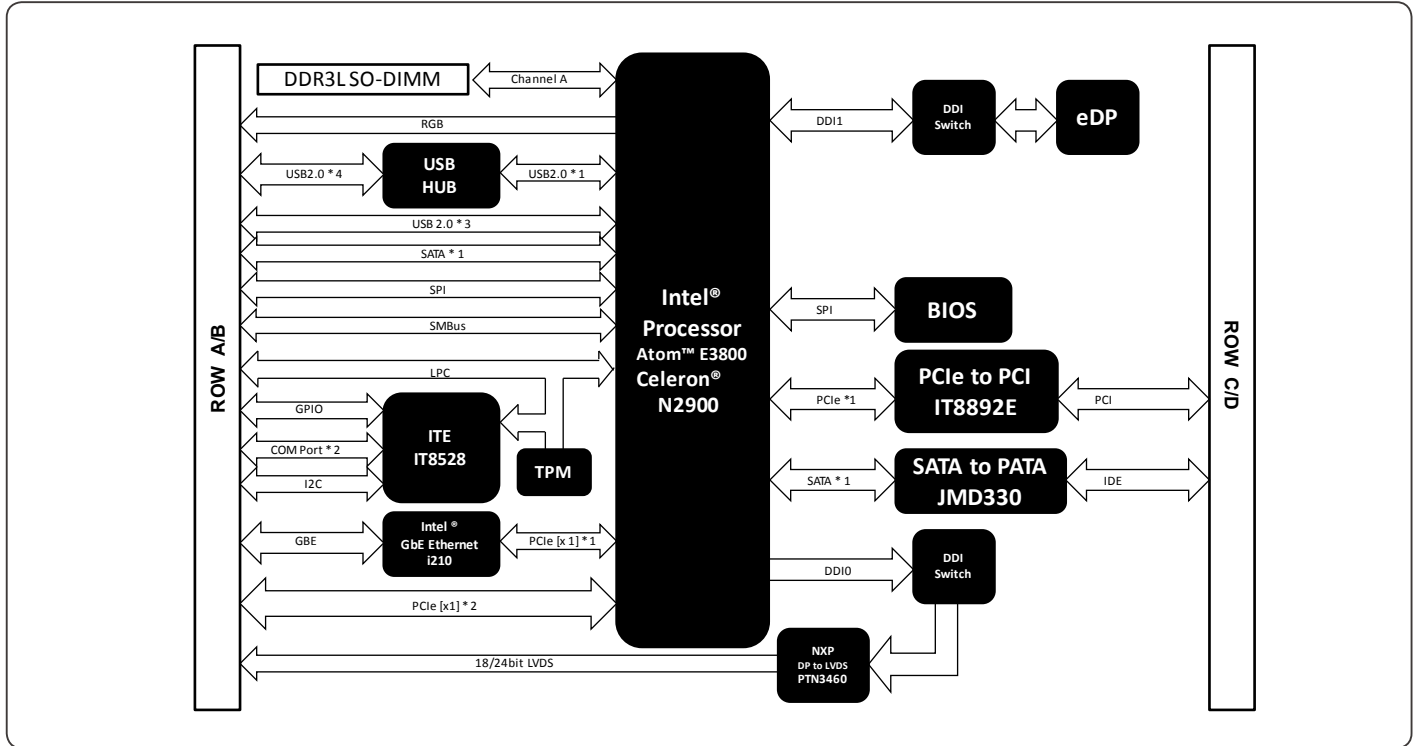
Packing List

- M2.5 Screw x 5
- Product CD
- COM-BYTC2

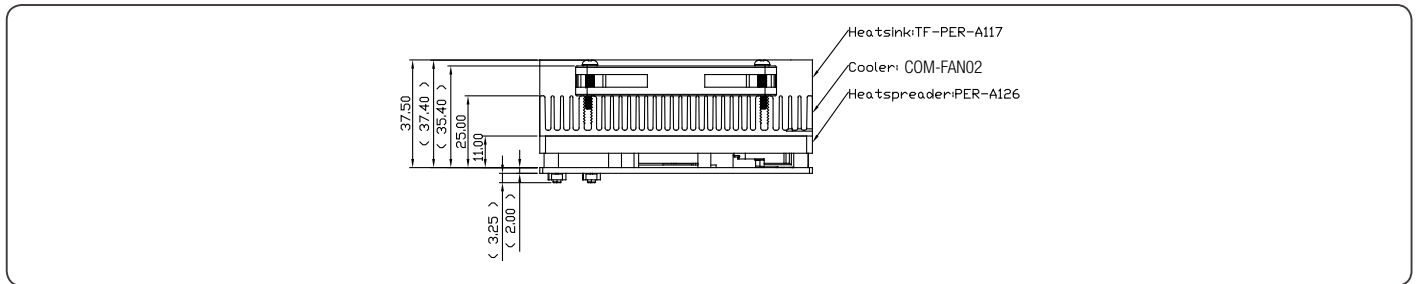
Optional Accessories

- **TF-ECB-916M-B11-01**
COM Express Carrier board, microATX, Dual Ethernet, 2 COM (Winbond), USB, PCI-Express, AT/ATX, Rev.B1.1
- **PER-A126**
Heat Spreader, For COM-BYTC2, Onboard CPU
- **TF-PER-A117**
Passive Heatsink, to be used with Heat Spreader
- **COM-FAN02**
CPU Cooler, 95 x 95 x 26.5mm, Silver, use with HSP

Block Diagram Unit: mm



Dimension Unit: mm



Ordering Information

| Part Number | Form Factor | CPU | Memory | Display | LVDS | Storage | LAN | USB | UART | Expansion | Power | Temperature | Other |
|--------------------|--------------------|-----------------|-----------------------------|----------------|------------|----------------|---------|------------|------|---------------------------|------------|-------------|---------------------------------|
| COM-BYTC2-A10-0001 | COM Express Type 2 | J1900, 2.0 GHz | DDR3 (Max 8 GB), SODIMM x 1 | CRT, LVDS, eDP | 24bit, 2CH | SATA, PATA x 1 | GbE x 1 | USB2.0 x 7 | — | PCIe[x1] x2(up to 3), PCI | +12V (ATX) | 0°C ~ 60°C | LPC, GPIO 8Bit, HDA, I2C, SMBus |
| COM-BYTC2-A10-0002 | COM Express Type 2 | E3845, 1.91 GHz | DDR3 (Max 8 GB), SODIMM x 1 | CRT, LVDS, eDP | 24bit, 2CH | SATA, PATA x 1 | GbE x 1 | USB2.0 x 7 | — | PCIe[x1] x2(up to 3), PCI | +12V (ATX) | 0°C ~ 60°C | LPC, GPIO 8Bit, HDA, I2C, SMBus |