



IMB-150N

Mini-ITX Motherboard

Spotlight Features

- Intel® Baytrail SoC Processor N2930
- Supports Dual Channel DDR3L SO-DIMM 1333, up to 8GB
- 1 x HDMI, 1 x VGA, 1 x LVDS
- 4 x USB 3.0, 6 x USB 2.0, 2 x SATA2
- 1 x Mini-PCIe, 1 x PCIe x1, 1 x mSATA
- 2 x Realtek LAN
- 1 x TPM Header
- 9-19V DC-In (4-pin ATX PWR Con)

Specifications

Processor System

| | |
|------------|---|
| Dimensions | Mini-ITX (6.7-in x 6.7-in) |
| CPU | Intel® Baytrail SoC Processor N2930, QC, 1.83 GHz, 7.5 W |
| Chipset | SOC |

Expansion Slot

| | |
|-----------|-----------------------------------|
| PCIe | 1 x PCIe x1 |
| Mini-PCIe | 1 x half size with PCIe x1 |
| M.2 | N/A |
| mSATA | 1 x full size with SATA2 (shared) |

Memory

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|------------|----------------------------|
| Technology | Dual Channel DDR3 1333 MHz |
| Max | 8GB |
| Socket | 2 x SO-DIMM |

Graphics

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|---------------|--|
| Controller | Intel® Gen7 Intel Graphics DX 11*, OGL3.2 |
| VGA | Supports max resolution up to 1920 x 1200 |
| LVDS | Supports max resolution up to 1920 x 1200@60Hz |
| eDP | N/A |
| HDMI | Supports max resolution up to 1920x1200 |
| DVI | N/A |
| DisplayPort | N/A |
| Multi Display | Dual Display |

Ethernet

| | |
|------------|-------------------------------------|
| Interface | 10/100/1000 Mbps |
| Controller | 2 x Realtek RTL8111G-CG/RTL8111H-CG |

Rear I/O

| | |
|-------------|--------------------------|
| VGA | 1 |
| DVI | N/A |
| HDMI | 1 |
| DisplayPort | N/A |
| Ethernet | 2 |
| USB | 2 x USB 3.0, 2 x USB 2.0 |
| Audio Jack | 2 (Mic-in, Line-out) |
| Serial | 3 x COM (RS-232/422/485) |
| PS/2 | 2 |

Internal Connector

| | |
|---------------------|--------------------------|
| USB | 2 x USB 3.0, 4 x USB 2.0 |
| LVDS | 1 |
| eDP | N/A |
| VGA | N/A |
| Serial | 2 x COM (RS-232) |
| SATA | 2 x SATA2 |
| Parallel | 1 |
| GPIO | 4 x GPI + 4 x GPO |
| SATA PWR Output Con | 1 |
| Speaker Header | 1 |
| TPM | 1 x Header |

Watchdog Timer

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|----------|----------------------------------|
| Output | From Super I/O to drag RESETCON# |
| Interval | 256 segments, 0,1,2...255sec/min |

Power Requirements

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|-----------|---|
| Input PWR | 9-19V DC-In (4-pin ATX PWR Con) |
| Power On | AT/ATX Supported AT: Directly PWR on as Power input ready ATX: Press Button to PWR on after Power input ready |

Environment

| | |
|-----------------------|--------------|
| Operating Temperature | 0°C – 60°C |
| Storage Temperature | -40°C – 85°C |