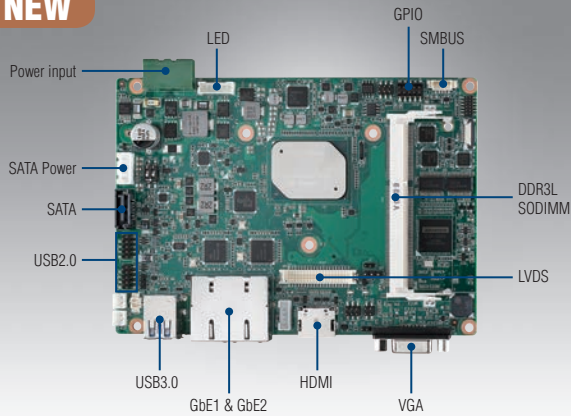


PCM-9366

Intel® Pentium N4200 Celeron N3350 & Atom™ E3950/E3940/E3930, DDR3L, HDMI, VGA, 48-bit LVDS/*eDP, 2GbE, M.2 Key E, Mini PCIe/mSATA, M.2 Key E, wide range power input, iManager

NEW



iManager susiAccess CE FCC

Features

- Intel® Pentium N4200 Celeron N3350 & Atom™ E3950/E3940/E3930, 1 x DDR3L-1600/1333 SODIMM support up to 8 GB
- DirectX11, OpenGL3.2, OpenCL1.2, multi-display: VGA+LVDS/eDP+ HDMI/DP*
- Support 9-36V wide range power input
- 2 GbE, rich I/O: 4COM, SATA, USB3.0, SMBus/I²C, 2 8bit GPIO, 2 CANBUS, M.2 key E, full-size mSATA
- Supports iManager, SUSIAccess and Embedded Software APIs

Software APIs:



Utilities:

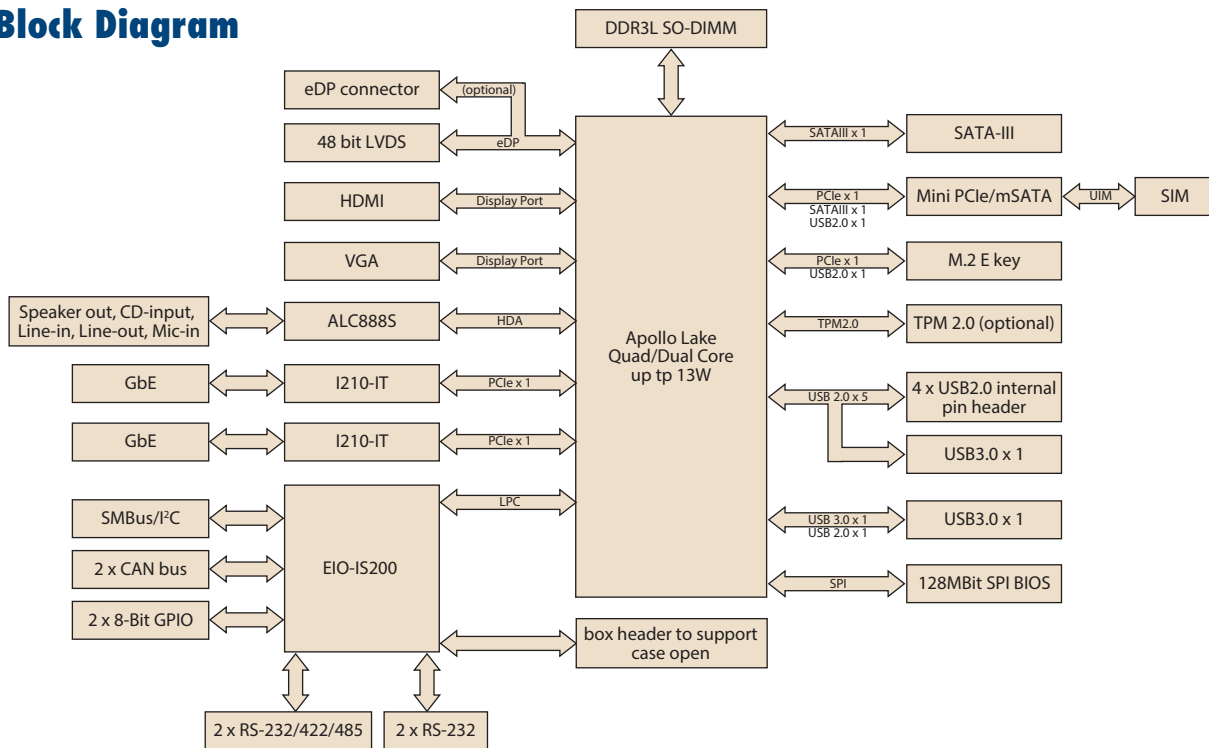


Specifications

| | | | | | | |
|--------------------------|--------------------------------------|--|---------------------|------------------|------------------|------------------|
| Processor System | CPU | Intel Pentium 4200 | Intel Celeron N3350 | Intel Atom E3950 | Intel Atom E3940 | Intel Atom E3930 |
| | Base Frequency | 1.1 (Quad-Core) | 1.1 (Dual-Core) | 1.6 (Quad-Core) | 1.6 (Quad-Core) | 1.3 (Dual-Core) |
| | Max Turbo Frequency | 2.4 GHz | 2 GHz | 1.8 GHz | 1.8 GHz | |
| | L2 Cache | 2MB | 2MB | 2MB | 2MB | 2MB |
| | BIOS | AMI UEFI BIOS at 64 Mb | | | | |
| Memory | Technology | DDR3L 1867 MHz | | | | |
| | Max. Capacity | 8 GB | | | | |
| | Socket | 1 x 204-pin SODIMM | | | | |
| Display | Controller | Intel Gen9 graphic engine | | | | |
| | Processor Graphics | DirectX11, OpenGL3.2, OpenCL1.2 Full HW acceleration, decode: H.264, MPEG2/4, VC-1, WMV9. Encode: H.264, MPEG2 | | | | |
| | VGA | 2560 x 1600 at 60Hz | | | | |
| | LVDS | 48-bit dual LVDS up to WUXGA 1920 x 1200 at 60Hz, the 2nd LVDS is supported by request Supports 3.3/5/12V for VDD power, 1A@5V/12V for inverter | | | | |
| | HDMI | HDMI 1.4a for HD video playback, 1080P at 60Hz | | | | |
| Ethernet | Mult-Display | VGA + HDMI+ LVDS/eDP* | | | | |
| | Speed | 10/100/1000Mbps | | | | |
| | Controller | Intel i210 | | | | |
| Audio | Connector | 2 RJ45 | | | | |
| | Codec | Realtek ALC888S, High Definition Audio (HD), Line-in, Line out, Mic-in | | | | |
| WatchDog Timer | | Output System reset, Programmable counter from 1 ~ 255 minutes/ seconds | | | | |
| Storage | SATA | 1, up to 6Gb/s (600MB/s) | | | | |
| | mSATA | 1 x Full-size | | | | |
| Rear I/O | Ethernet | 2 (10/100/1000Mbps) | | | | |
| | VGA | 1 | | | | |
| | HDMI | 1 | | | | |
| | USB 3.0 | 2 | | | | |
| Internal I/O | Serial | 2 x RS-232/422/485 from COM1/2, 2 x RS-232 from COM3/4 with auto flow control (ESD protection: air gap ±15kV, contact ±8kV) | | | | |
| | USB2.0 | 4 | | | | |
| | I ² C | 1 (Shared with SMBus pin) | | | | |
| | SMBus | 1 | | | | |
| | GPIO | 2 x 8-bit | | | | |
| Expansion | Mini PCIe | 1 x Full size* | | | | |
| | M.2 | 1 x M.2 Key E | | | | |
| Power | Power Type | 9-36V DC power input | | | | |
| | Power Consumption (Typical) | TBD | | | | |
| | Power Consumption (Max, test in HCT) | TBD | | | | |
| | Power Management | ACPI | | | | |
| Environment | Battery | Lithium 3 V / 210 mAh | | | | |
| | Operational | 0 ~ 60° C with 0.7m/s air flow (32 ~ 140° F) (Operational humidity: 40° C @ 95% RH Non-Condensing) | | | | |
| | Non-Operational | -40° C ~ 85° C and 60° C @ 95% RH Non-Condensing | | | | |
| Physical Characteristics | Dimensions (L x W) | 146 x 102 mm (5.7" x 4"), same as 3.5" | | | | |
| | Weight | 0.54kg (1.19lb), weight of total package | | | | |
| | Height | Top Side: 19.5 mm; Bottom Side: 7.8 mm; PCB: 1.6 mm | | | | |

* The specification is supported by request

Block Diagram



Note1: Supported by request

Ordering Information

| Part No. | CPU | Memory | HDMI | LVDS | VGA | GbE | Audio | RS-232/422/485 | RS-232 | USB 3.0 | USB 2.0 | SATA III | M.2 Key E | Mini PCIe | mSATA | CANBUS | Power connector | Thermal Solution* | Operating Temp. |
|------------------|----------------------------------|--------|------|--------|-----|-----|-------|----------------|--------|---------|---------|----------|-----------|-----------|-----------|--------|----------------------------|-------------------|-----------------|
| PCM-9366N series | Intel N4200/ N3350 6W | SODIMM | 1 | 48-bit | Yes | 2 | Yes | 2 | 2 | 4 | 4 | 1 | 1 | Full-size | Full-size | 2 | 2P Phoenix power connector | Passive | 0 – 60° C |
| PCM-9366E series | Intel E3950/40/30 (12W/9W/6W) | SODIMM | 1 | 48-bit | Yes | 2 | Yes | 2 | 2 | 2 | 4 | 1 | 1 | Full-size | Full-size | 2 | 2P Phoenix power connector | Passive | 0 – 60° C |

Note: Passive=fanless; Active=with fan

Packing List

| Part No. | Description | Quantity |
|------------|---|----------|
| | PCM-9366 SBC | 1 |
| | Startup Manual | 1 |
| 1701200220 | RS-232 COM3/4 cable, F Cable 2*10P-2.0/D-SUB 9P(M)*2 22CM | 1 |
| 1700018785 | SATA 35cm power cable | 1 |
| 1700019414 | RS-232 COM2 Cable D-SUB 9P(M)/2*5P-2.0 30cm | 1 |
| 1700018730 | USB Cable 2*5P-2.0/USB-A(F)*2 25CM F/9 | 2 |
| 1700008941 | M Cable SATA 7P/SATA 7P 32CM C=R 180/180D W/Lock | 1 |
| 1700019584 | Audio Cable 2*5P-2.0/JACK*3 20cm | 1 |
| 9689000002 | mini Jumper pack | 1 |

Optional Accessories

| Part No. | Description |
|----------|-------------|
| TBD | |

Embedded OS/API

| Embedded OS/API | Part No. | Description |
|-----------------|----------|-------------|
| WIN10 | TBD | |
| Linux | | |
| VxWorks | | |
| Android | | |
| Software API | | |

Rear I/O View

