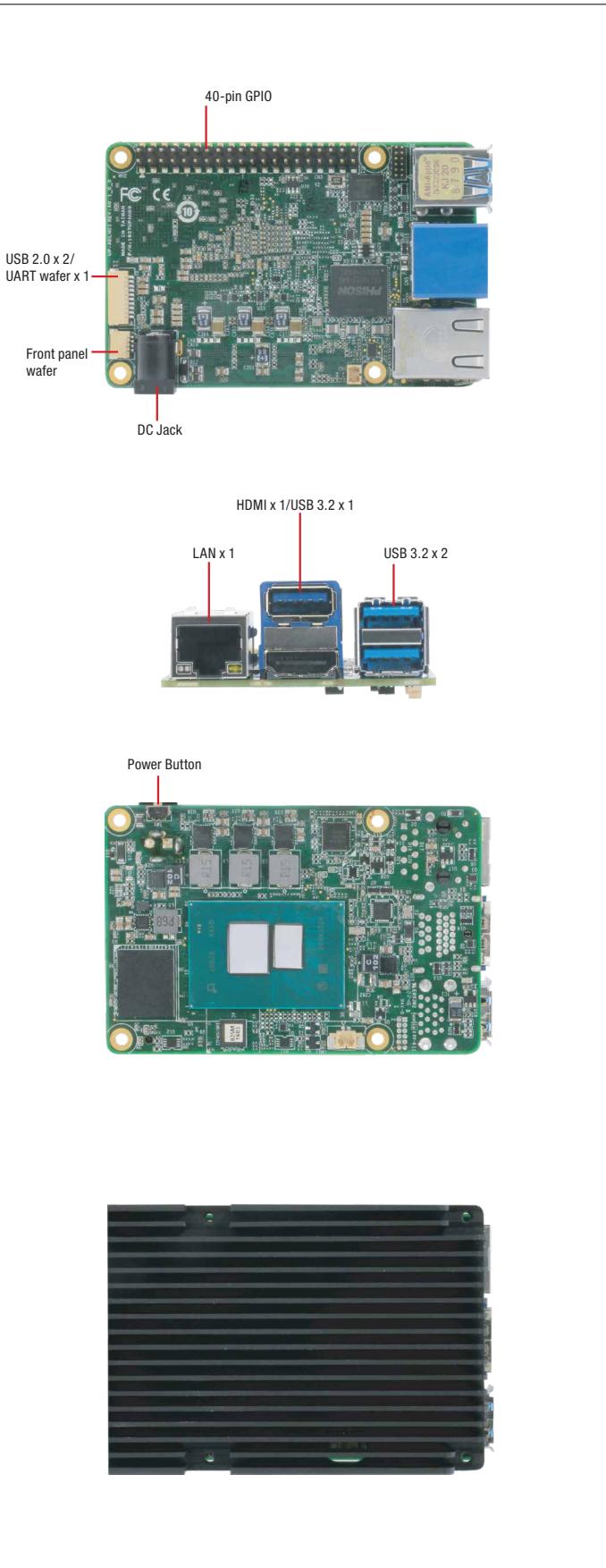


UP 7000

UP 7000 Developer Board with Intel® Processor N-series Processor (formerly Alder Lake-N)



Features

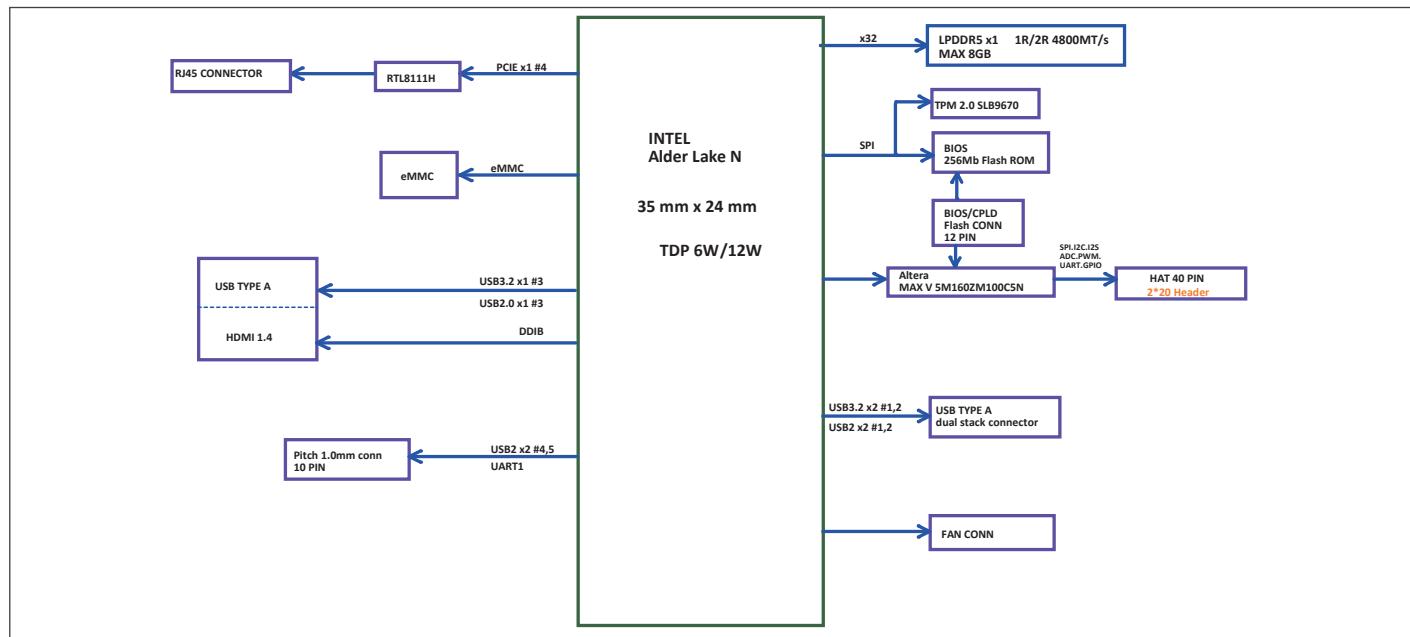
- Intel® Processor N-series
- Onboard LPDDR5 Memory, up to 8GB
- Onboard eMMC Storage, up to 64GB
- 1Gigabit LAN x 1
- HDMI 1.4b x 1
- USB 3.2 Gen 2 (Type-A) x 3, 10-pin USB 2.0 x 2/UART x 1
- 40-pin GPIO x 1
- 12V DC-in, 5A
- TPM 2.0



Specifications

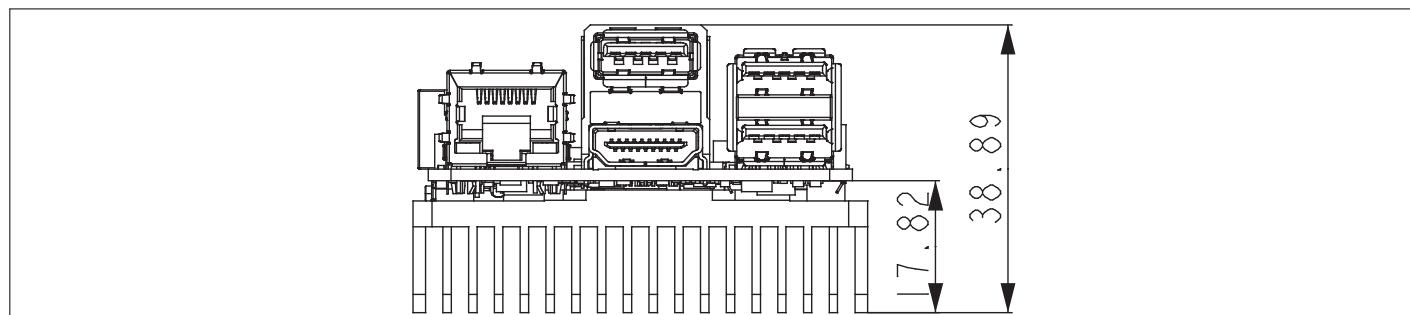
| System | |
|-----------------------------|---|
| Processor | Intel® Processor N200 Intel® Processor N97 Intel® Processor N100 Intel® Processor N50 (formerly Alder Lake-N) |
| Graphics | Intel® UHD Graphics |
| Memory | Dual-Channel LPDDR5, up to 8GB |
| Storage | Up to 64GB eMMC |
| I/O | HDMI 1.4b/USB 3.2 Gen 2 STACK Connector x 1 (Type-A) 4-pin Front Panel x 1 2-pin Fan Wafer x 1 (12V) 2-pin RTC Battery Wafer x 1 |
| Camera | — |
| USB | USB 3.2 Gen 2 (Type-A) x 3 10-pin USB 2.0 x 2/UART x 1 |
| Expansion | 40-pin GPIO x 1 |
| Display Interface | HDMI 1.4b x 1 |
| Ethernet | 1GbE RJ-45 x 1 (Realtek RTL8111H CG) |
| Security | Onboard TPM 2.0 |
| RTC | Yes |
| OS Support | Windows® 10 Enterprise LTSC 2021 Linux: Ubuntu 22.04 LTS/Kernel 5.15, Yocto 4.0 |
| Power Requirement | |
| Power | 12V DC-in, 5A |
| Power Supply Type | AT (default) /ATX |
| Power Consumption (Typical) | 30~36W |
| Mechanical | |
| Dimension | 3.34" x 2.20" (85mm x 56mm) |
| Net Weight | 0.33 lb. (0.15Kg) |
| Gross Weight | 0.44 lb. (0.20Kg) |
| Environment | |
| Operating Temperature | 32°F ~ 140°F (0°C ~ 60°C) / 0.5 airflow |
| Operation Humidity | 0% ~ 90% relative humidity, non-condensing |
| MTBF | 685,218 Hours |
| Certification | CE/FCC Class A, RoHS Compliant, REACH |

Block Diagram



Dimension

Unit: mm



Ordering Information

| PART NUMBER | CPU | CORE | TDP | LPDDR5 | MEMORY |
|---------------------|------|------|-----|--------|--------|
| UP-ADLN50-A10-0432 | N50 | 2 | 6W | 4GB | 32GB |
| UP-ADLN100-A10-0432 | N100 | 4 | 6W | 4GB | 32GB |
| UP-ADLN100-A10-0864 | N100 | 4 | 6W | 8GB | 64GB |
| UP-ADLN97-A10-0432 | N97 | 4 | 12W | 4GB | 32GB |
| UP-ADLN97-A10-0864 | N97 | 4 | 12W | 8GB | 64GB |
| UP-ADLN200-A10-0864 | N200 | 4 | 6W | 8GB | 64GB |

Optional Accessories

| Part Number | Description |
|-----------------|---------------------------------------|
| EP-PS12V5A60WFJ | 12V@5A Power Supply |
| EP-CBPC125V3PUS | US Type Power Cord Plug 1800±30mm |
| EP-CBPC125V3PEU | EU Type Power Cord Plug 1800±30mm |
| EP-CBPC250V3PUK | UK Type Power Cord Plug 1800±30mm |
| EP-CBUSB10PFLO1 | USB 2.0 Type A to 10-pin header cable |

Packing List

- UP 7000 with Passive Heatsink