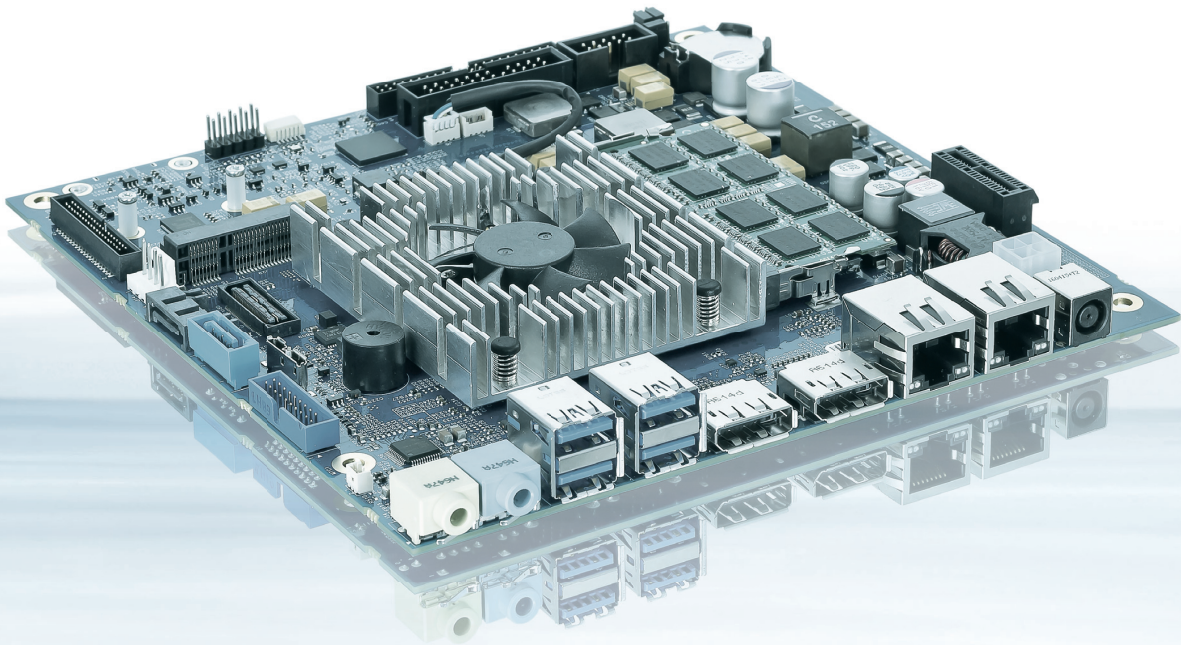


# mITX-APL

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## EMBEDDED mITX MOTHERBOARD WITH INTEL® ATOM™ E39xx SERIES AND Celeron® N3350 CPUs

- ▶ Intel® Atom™ E39xx and N3350 SOC (2 or 4 cores), TDP: 6-12 W
- ▶ LVDS 24Bit dual channel and display port 1.2
- ▶ SO-DIMM socket DDR3L-1867 memory (up to 8 GByte)
- ▶ TPM2.0 and hardware security device to protect applications and licensing
- ▶ mPCIe full size, CAN Bus and eMMC support

POSSIBILITIES START HERE

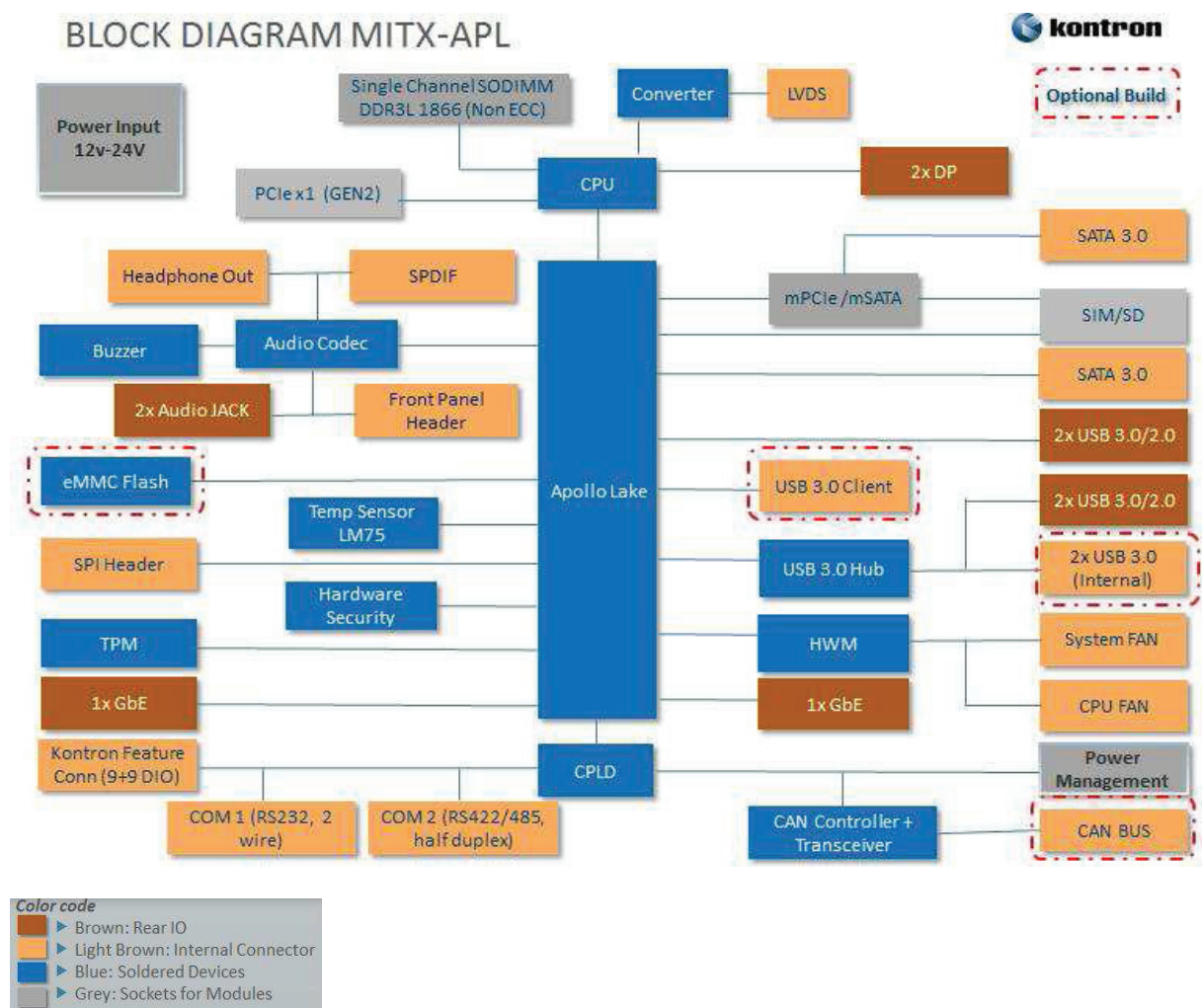


# mITX-APL

## TYPICAL APPLICATIONS

- ▶ POS/POI: Higher Graphics and CPU core performance, Low power, multi display support
- ▶ Medical/Connectivity: Higher Graphics and CPU core performance, longevity
- ▶ Industrial Automation: Wide range of I/Os, compact size, longevity
- ▶ Digital signage: Multi display support, low power, wide range of I/Os
- ▶ Future-oriented Devices: Display Port and LVDS, low power, compact size

The mITX-APL is part of the Security Solution Product Line the motherboard is prepared for Application Protection, License Creation, Delivery, Management and Tracking, Implementation of license models as well as the assignment of privileges and access levels.



## ► TECHNICAL INFORMATION

|                       |                                                                 |
|-----------------------|-----------------------------------------------------------------|
| PROCESSOR             | Intel® Atom™ E39xx series and Celeron® N3350                    |
| MEMORY                | 1x DDR3L 1.35 V SODIMM 1867 MHz (up to 8 GByte)                 |
| GRAPHICS INTERFACE    | 3x Independent Displays (DP/LVDS)                               |
| SPECIAL               | TPM, Hardware Security, eMMC, CAN Bus                           |
| SATA PORTS            | 2x SATA Gen 3.0                                                 |
| MPCIE SLOT            | 1x (Full size)                                                  |
| SERIAL PORTS          | 1 x RS232 (Internal);<br>1 x RS422/RS485 Half duplex (Internal) |
| LAN PORTS             | 2x RJ-45 LAN Port                                               |
| USB PORTS             | 4x USB 3.0/2.0 (Rear), 2x USB 2.0 (Internal)                    |
| AUDIO                 | HD Analog audio interface (Line-In, Line-Out, Mic-In, SPDIF)    |
| POWER SUPPLY          | Single supply 12-24 V DC (External) + ATX 12 V 4 pin (Internal) |
| MTBF                  | tbd.                                                            |
| SAFETY                | IEC 60950-1: 2005, UL 60950-1, CSA 60950-1                      |
| COOLING SOLUTIONS     | Passive and active cooling solutions                            |
| OPERATING TEMPERATURE | 0 °C to 60 °C                                                   |
| REGULATORY            | Comply with Emission: EN55022, Immunity EN55022, RoHS           |
| DIMENSIONS            | Thin Mini ITX, 170 x 170 mm                                     |
| OPERATING SYSTEMS     | Win10, Win10 IoT, Linux                                         |
| BIOS                  | AMI Aptio V UEFI                                                |
| SUPPORTED MODULES     | mITX-APL 46010-XXXX-XX-X                                        |

## ► CORPORATE OFFICES

### EUROPE, MIDDLE EAST & AFRICA

Lise-Meitner-Str. 3-5  
86156 Augsburg  
Germany  
Tel.: + 49 821 4086 0  
Fax: + 49 821 4086 111  
info@kontron.com

### NORTH AMERICA

14118 Stowe Drive  
Poway, CA 92064-7147  
USA  
Tel.: + 1 888 294 4558  
Fax: + 1 858 677 0898  
info@us.kontron.com

### ASIA PACIFIC

1-2F, 10 Building, No. 8 Liangshuihe 2nd Street,  
Economical & Technological Development Zone,  
Beijing, 100176, P.R.China  
Tel.: +86 10 63751188  
Fax: +86 10 83682438  
info@kontron.cn