EMBEDDED SINGLE BOARD COMPUTERS



The longevity Single Board Computers follow international industry size standards with well-defined mounting holes and standard I/O bracket areas. In addition, Kontron offers many value-added services like detailed documentation, display support and complete life-cycle management.

The Core[™]-i and Atom[®]-based Single Board Computer offer up to 7 years product availability from the release date, based on embedded key components. In applications where permanence and risk avoidance must be optimized, Kontron's experience in a variety of markets leads customers to the solution that meets their critical programming and cost objectives.



High quality longevity Single Board Computers in the formfactors of 2,5" (pITX) and 3,5". These embedded "SBC" are based on newest processors and chipset platforms, and utilize advanced technology components.

About Kontron – Member of the S&T Group

Kontron is a global leader in IoT/Embedded Computing Technology (ECT). As a part of technology group S&T, Kontron offers a combined portfolio of secure hardware, middleware and services for Internet of Things (IoT) and Industry 4.0 applications. With its standard products and tailor-made solutions based on highly reliable state-of-the-art embedded technologies, Kontron provides secure and innovative applications for a variety of industries. As a result, customers benefit from accelerated time-to-market, reduced total cost of ownership, product longevity and the best fully integrated applications overall.

For more information, please visit: www.kontron.com

About the Intel[®] Internet of Things Solutions Alliance

From modular components to market-ready systems, Intel and the 400+ global member companies of the Intel® Internet of Things Solutions Alliance provide scalable, interoperable solutions that accelerate deployment of intelligent devices and end-to-end analytics. Close collaboration with Intel and each other enables Alliance members to innovate with the latest IoT technologies, helping developers deliver first-inmarket solutions.

Intel and Atom are registered trademarks of Intel Corporation in the U.S. and other countries.



IoT Solutions Illiance

Global Headquarters

Kontron S&T AG

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

www.kontron.com



Embedded SINGLE BOARD COMPUTER

POSSIBILITIES START HERE



SINGLE BOARD COMPUTER

REGULATORY

DIMENSIONS

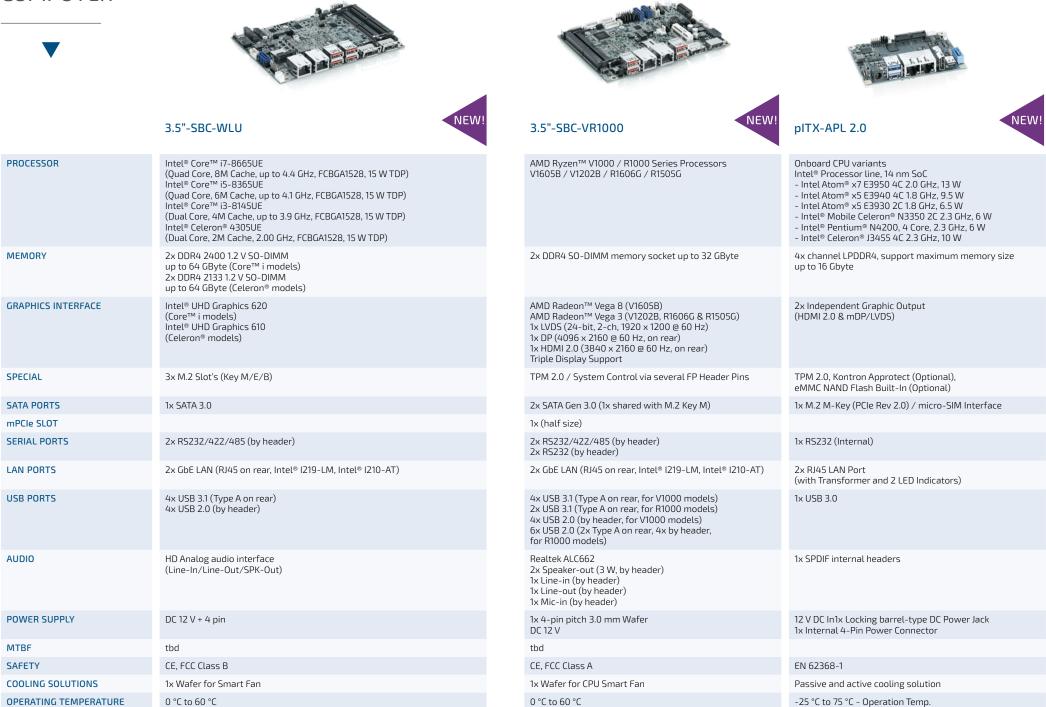
BIOS

OPERATING SYSTEMS

3.5" 146 x 105 mm

AMI uEFI BIOS w/ 256 Mb SPI Flash

Windows 10



3.5" 146mm x 105mm

AMI Aption V, UEFI

Windows 10

2,5", 100 x 72mm

AMI Aption V, UEFI

eMMC Boot

Win10 IOT Enterprise x64Win10 IOT Core x64,

Linux Yocto 64bitKontron KEAPI



pITX-iMX8M (Release Date Q3/20)

NXP's processors - 8M QuadLite (1.3 GHz/Industry) 8M QuadLite (1.5 GHz/Consumer) 8M Dual (1.3 GHz/Industry) 8M Dual (1.5 GHz/Consumer)

Up to 4 GByte LPDDR4 3200 MTps Memory Down

2x Independent Graphic Output (HDMI 2.0 & mDP/LVDS)

TPM, Hardware Security (Optional), eMMC NAND Flash Built-In (Optional) M.2 8-key (PCIe x1, USB 3.0)

1x RS232 (Internal)

2x RJ-45 LAN Port (with Transormer and 2 LED Indicators) 1x USB 3.0 Hub, 1x USB 2.0 Hub

1x SPDIF internal headers, 1x Line-In, Line-Out and Microphone-In headers at rear I/O

1x Locking barrel-type DC Power Jack, 1x Internal 4-pin Power connector

Passive and active cooling solution

-25 °C to 75 °C - Operation Temp.

Comply with Emission: EN55022

2,5", 100 x 72 mm

EN 62368-1

Linux, Android

U-Boot