mITX-BW
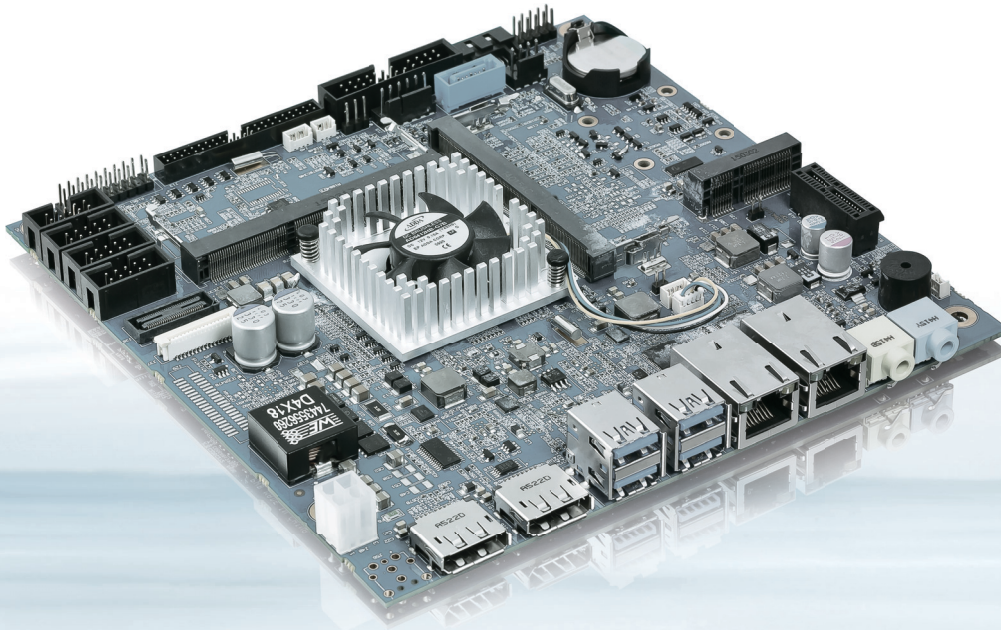

mITX BOARD WITH Intel® Celeron® N3xxx SYSTEM ON CHIP (SOC) IN 14nm TECHNOLOGY

▶ Intel® Celeron® N3xxx SoC (2 or 4 cores), TDP: 4-12 W
▶ SO-DIMM Socket DDR3L-1600 Memory (up to 8 GByte)
▶ Intel® Gen7 graphics, OpenGL 4.2, OpenCL 1.2, DX12, H.265/264, MPEG2,...
▶ LVDS 24 Bit dual channel and Display Port 1.1a
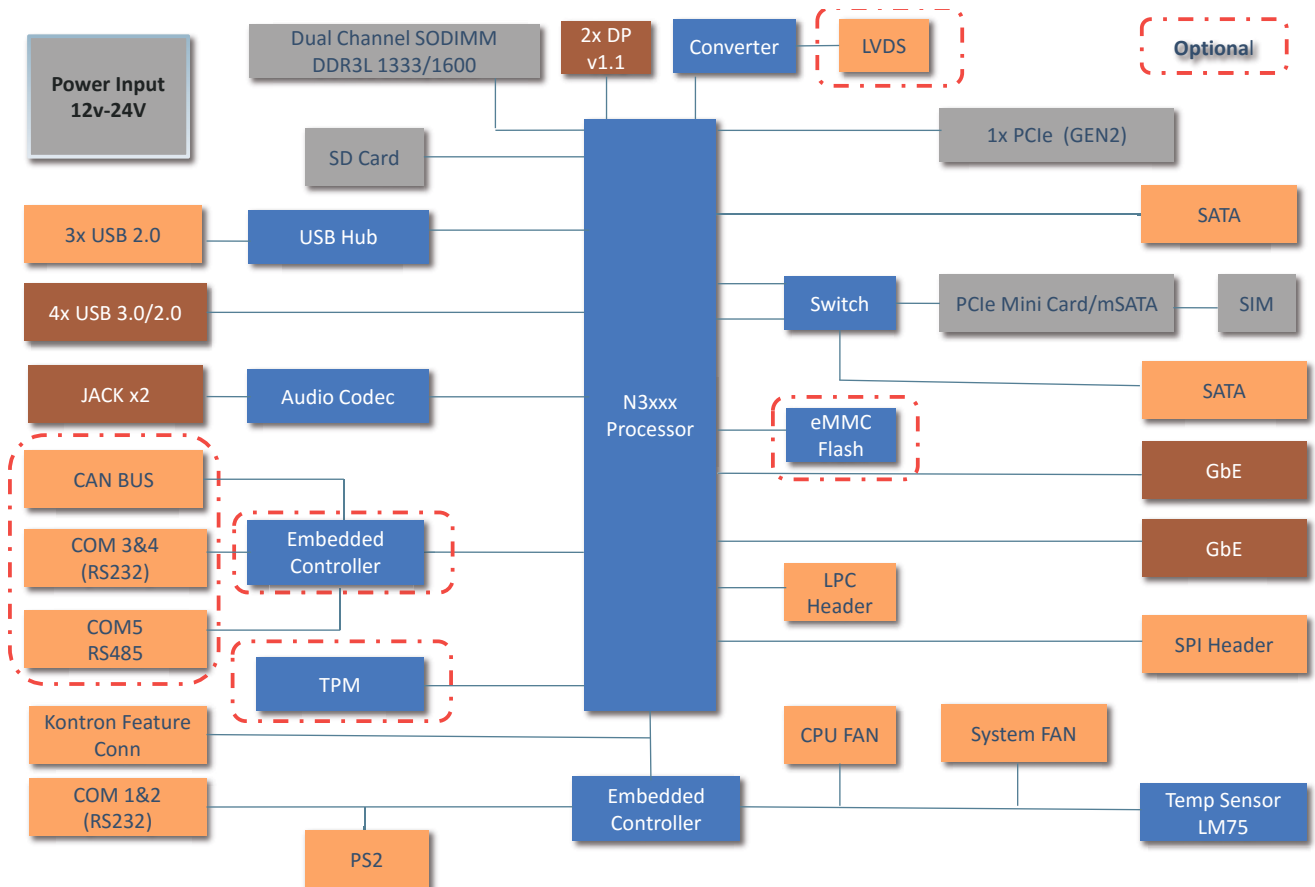▶ 2 SATA 3.0 (up to 6 GB/s), 1 SATA multiplex with mSATA/mPCIe in mPCIe connector

POSSIBILITIES START HERE **kontron**

mITX-BW

Typical Applications

▶ POS/POI: Higher Graphics and CPU core performance, Low power, multi display support

▶ Medical: 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

mITX-BW	mITX-N3700	mITX-N3150	mITX-N3060
SOC	N3700 SKU (4core), 1.6 GHz, max. 6 W TDP	N3150 SKU (4core), 1.6 GHz, max. 6 W TDP	N3060 SKU (2core), 1.6 GHz, max. 6 W TDP
MEMORY	2x 8 GByte SODIMM slot supporting DDR3L-1600	2x 8 GByte SODIMM slot supporting DDR3L-1600	2x 8 GByte SODIMM slot supporting DDR3L-1600
GRAPHICS INTERFACE	2x independent graphic outputs (2x Display Port 1.1a) 400 MHz, 16 Execution Units	2x independent graphic outputs (2x Display Port 1.1a) 320 MHz, 12 EU	2x independent graphic outputs (2x Display Port 1.1a) 320 MHz, 12 EU
SPECIAL	SIM card holder	SIM card holder	SIM card holder
ONBOARD FLASH	uSD	uSD	uSD
SATA PORTS	2x SATA Gen 2 (1 port shared with mSATA)	2x SATA Gen 2 (1 port shared with mSATA)	2x SATA Gen 2 (1 port shared with mSATA)
MPCIE / MSATA SLOT	1x mPCIe / mSATA slot	1x mPCIe / mSATA slot	1x mPCIe / mSATA slot
SERIAL PORTS	4x RS232, 1x RS485	4x RS232, 1x RS485	4x RS232, 1x RS485
LAN PORTS	2x GBE	2x GBE	2x GBE
USB PORTS	4x USB 3.0	4x USB 3.0	4x USB 3.0
AUDIO	HD Analog audio interface (Line-In, Line-Out, Mic-In, SPDIF)	HD Analog audio interface (Line-In, Line-Out, Mic-In, SPDIF)	HD Analog audio interface (Line-In, Line-Out, Mic-In, SPDIF)
PCIe SLOTS	1x PCIe x1 slot	1x PCIe x1 slot	1x PCIe x1 slot
TPM	Yes	Yes	Yes
I/O FEATURES	1x mPCIe® 2.0 port (x1 lane), PCIe® x1 connector, Kontron embedded feature connector with ADC, DAC and up to 160 GPIO	1x mPCIe® 2.0 port (x1 lane), PCIe® x1 connector, Kontron embedded feature connector with ADC, DAC and up to 160 GPIO	1x mPCIe® 2.0 port (x1 lane), PCIe® x1 connector, Kontron embedded feature connector with ADC, DAC and up to 160 GPIO
POWER SUPPLY	Single supply 12/24 V DC, Internal and external connector	Single supply 12/24 V DC, Internal and external connector	Single supply 12/24 V DC, Internal and external connector
SAFETY	IEC 60950-1: 2005, 2nd Edition UL 60950-1, CSA C22.2 No. 60950-1	IEC 60950-1: 2005, 2nd Edition UL 60950-1, CSA C22.2 No. 60950-1	IEC 60950-1: 2005, 2nd Edition UL 60950-1, CSA C22.2 No. 60950-1
COOLING SOLUTIONS	Passive and active cooling solutions	Passive and active cooling solutions	Passive and active cooling solutions
OPERATING TEMPERATURE	0 °C to 60 °C	0 °C to 60 °C	0 °C to 60 °C
REGULATORY	Comply with Emission: EN55022, Immunity EN55022. RoHS	Comply with Emission: EN55022, Immunity EN55022. RoHS	Comply with Emission: EN55022, Immunity EN55022. RoHS
DIMENSIONS	Thin Mini-ITX, 170 x 170 mm	Thin Mini-ITX, 170 x 170 mm	Thin Mini-ITX, 170 x 170 mm
OPERATING SYSTEMS	Win7, Win8.1, WES7, Linux	Win7, Win8.1, WES7, Linux	Win7, Win8.1, WES7, Linux
SUPPORTED MODULES	mITX-BW 81062X-45XX		

▶ GLOBAL HEADQUARTERS

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