ADLINK
LEADING EDGE COMPUTING

COM Express Type 10 Elkhart Lake

COM Express Type 10 Mini Size Prototyping Kit based on Intel® 6th Gen Atom® x6211E Dual-core SoC



Features

- Based on Intel® 6th Gen Atom® x6211E dual-core SoC with integrated GPU
- Equipped with COM Express R3.0 compliant Type 10 Mini size module, nanoX-EL
- Equipped with COM Express R3.0 compliant Type 10 carrier at miniITX dimension
- Industrial-grade quality and 10-year+ product availability
- Supports Windows 10, Linux, and Ubuntu OS

Specifications

Core System	SoC	Intel 6th Gen Atom® x6211E Dual Core SoC
	Architecture	x86
	Memory	2GB LPDDR4
	Embedded BIOS	AMI UEFI with CMOS backup in 32/16MB SPI BIOS
	IoT Security	TPM 2.0*, Intel® AES-NI, Secure Key, Execute Disable Bit, Intel® OS Guard, Intel® Boot Guard
Video	GPU Core	Intel® UHD Graphics based on Intel® Gen 11 LP Graphics architecture
	Video Decoding	HEVC/H.265 10-bit/8-bit, H.264, M/JPEG, MPEG2, VC1/WMV9, VP9, VP8
	Video Encoding	HEVC/H.265 10-bit/8-bit, H.264, M/JPEG, VP9
Audio	Chipset	Integrated on SoC
	Codec	Realtek ALC262
Ethernet	LAN	2x GbE

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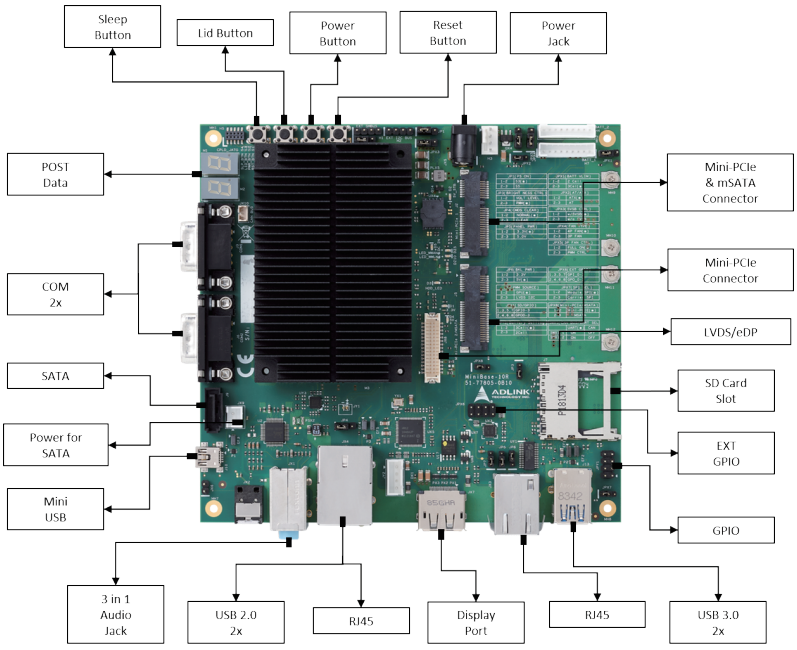
Specifications

Connectors/Headers	Display	1x DP 1x LVDS 30-pin header
	Audio	3-in-1 Mic/Line-in/Line-out
	Network	2x RJ45
	USB	2x USB 3.0 Type A 2x USB 2.0 Type A
	SATA	1x SATA (with power for SATA device)
	Buttons	1x Reset 1x Power 1x Sleep 1x LID
	SD Card Slot	1x SD*
	Mini PCIe Slots	1x Mini PCIe (PCIe, USB) 1x Mini PCIe (PCIe, USB, SATA)
	FAN	1x FAN 4-pin
	GPIO	8x GPIO 8-pin header
	Serial	2x UART, DB9
	Management Buses	SMBus, I2C, LPC headers
	Secondary BIOS	1x Socket for secondary SPI flash
LEDs	POST LED	Onboard diagnostics for BIOS POST code data
Power	Input	19V+/-5% DC
	Connector	DC Jack
Operating Systems	Standard Support	Windows 10 / Yocto / Ubuntu

Ordering Information

Development Kit	Description/Configuration
nanoX-EL-x6211E-2G-Kit	COM Express Type 10 Prototype Kit with nanoX-EL-x6211G-2G, miniBase-10R carrier, heatspreader, 110/220V to 19V Adapter and necessary enabling parts

* optional, subject to the module used



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