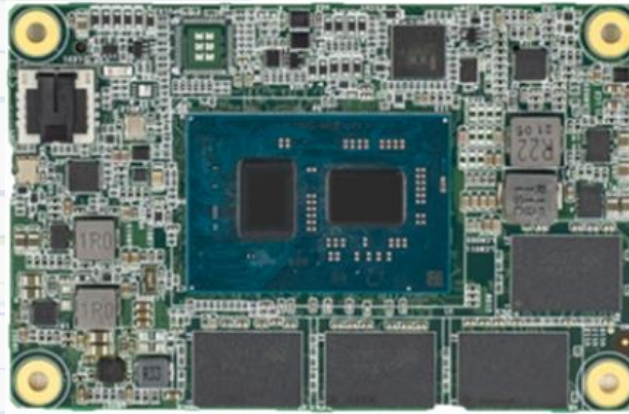


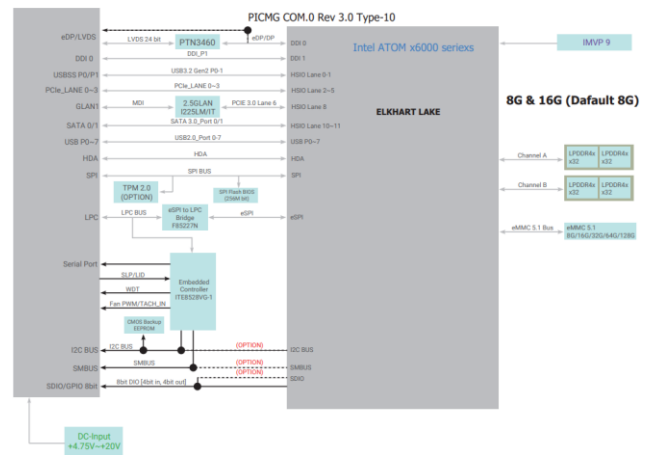
# Adbc8138



## FEATURES

- COM Express® Mini Size Type 10 Module
- Intel Atom® x6000 シリーズ/ Celeron® / Pentium® N & J シリーズプロセッサ搭載可能
- 最大 16GB デュアルチャンネル LPDDR4X 搭載
- 4 x PCIe x1 (Gen 3)
- 1 x DDI、1 x LVDS/eDP
- 2 x USB 3.1、8 x USB 2.0、2 x SATA 3.0、1 x eMMC 5.1、1 x 8-bit DIO
- 温度拡張対応: -40°C ~ 85°Cまで

## ブロック図



## 仕様



System	Processor	Intel Atom® x6000 series and Intel® Celeron® and Pentium® N & J series processors	
	Memory	LPDDR4X up to 16GB	
		Dual Channel LPDDR4X 3733MHz/4267MHz, depends on processor In-band ECC (IBECC) with normal memory chip support on selected ATOM x6000 series SKUs. IBECC can set enabled or disabled in BIOS setup menu.	
BIOS	AMI SPI 256Mbit		
Graphics	Controller	Intel® HD Graphics	
	Feature	OpenGL 5.0, DirectX 12, OpenCL 2.1	
		HW Decode: AVC/H.264, MPEG2, VC1, WMV9, JPEG/MJPEG, HEVC/H.265, VP8, VP9, MVC HW Encode: AVC/H.264, JPEG/MJPEG, HEVC/H.265, VP9, MVC	
	Display	1x DDI, 1x LVDS/eDP	
Resolution	LVDS: single channel 24-bit, resolution up to 1920x1200 @ 60Hz eDP: resolution up to 4096x2160 @ 60Hz HDMI: resolution up to 4096x2160 @ 30Hz DP++: resolution up to 4096x2160 @ 60Hz, 3840x2160 @60Hz		
Expansion	Interface	4 x PCIe x1 (Gen 3)	
		1 x SD/SDIO (available upon request)	
		1 x I2C	
		1 x SMBus	
		1 x LPC	
		1 x Speaker	
Audio	Interface	1 x SD 3.0	
		1 x SPI	
Ethernet	Controller	2 x UART (TX/RX)	
		HD Audio	
I/O	Controller	1 x Intel® I225-IT / I225-LM (10/100/1000Mbps/2.5Gbps)	
		USB	2 x USB 3.1, 8 x USB 2.0
		SATA	2 x SATA 3.0 (up to 6Gb/s)
		eMMC	1 x 8GB/16GB/32GB/64GB/128GB eMMC 5.1 (available upon request)
		DIO	1 x 8-bit DIO
Watchdog Timer	Output & Interface	System Reset, Programmable via Software from 1 to 255 Seconds	
Security	TPM	dTPM or fTPM (Optional)	
Power	Type	4.75V~20V, 5VSB, VCC_RTC (ATX mode)	
		4.75V~20V, VCC_RTC (AT mode)	
OS Support (UEFI Only)	Windows	Windows 10 IoT Enterprise 64-bit	
	Linux	Linux	
Environment	Temperature	Operating: -5 to 65°C, (extended temperature support) -40 to 85°C Storage: -40 to 85°C	
	Humidity	Operating: 5 to 90% RH Storage: 5 to 90% RH	
Mechanism	Dimensions	84mm x 55mm	
	Compliance	PICMG COM Express® R3.0, Type 10	

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## 株式会社アドバンネット