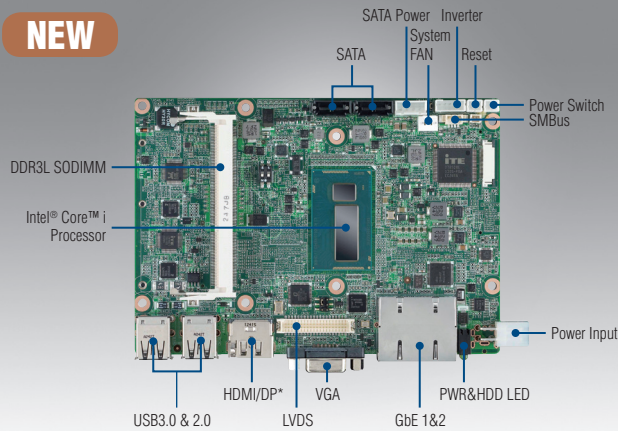


MIO-5271

4th Gen Intel® Core™ U-series (i5/Celeron®), 3.5" MI/O-Compact SBC, DDR3L, VGA, HDMI/DP*, 48-bit LVDS, 2GbE, 2 x Mini PCIe, mSATA, Fanless, MIOe

NEW



iManager susiAccess CE FCC

Features

- 4th Gen Intel® Core™ U-series (i5/Celeron®), 1 x DDR3L-1600/1333 SO-DIMM support up to 8 GB
- DirectX11.1, OpenGL4.0, OpenCL1.2, 3 independent display: VGA + LVDS + HDMI/Displayport*
- Optimized thermal design with fanless solution for wide temperature
- Flexible design using integrated multiple I/O: MIOe to approach vertical applications & keep domain knowhow.
- 2 GbE support, HD Audio, Rich I/O interface with 4 COM, 2 SATA, SMBus/iPC, GPIO, Half-size Mini PCIe, Full-size Mini PCIe w/ mSATA & 2 USB 3.0
- Supports Intel AMT9.0, iManager, SUSIAccess and Embedded Software APIs

Software APIs:



Utilities:



Specifications

Processor System	CPU	Intel Core i5-4300U	Intel Celeron 2980U
	Base Frequency	1.9 GHz (Dual-Core)	1.6GHz (Dual-Core)
	Max Turbo Frequency	2.9 GHz	N/A
	L3 Cache	3MB	2MB
	System Chipset	Integrated Intel 8 Series Chipset	
Memory	BIOS	AMI UEFI 128 Mbit	
	Technology	DDR3L 1333/1600 MHz	
Display	Max. Capacity	8 GB	
	Socket	1 x 204-pin SODIMM	
	Controller	Intel HD Graphics 4400 / Intel HD Graphics (Celeron)	
	Processor Graphics	DirectX11.1, OpenGL 4.0, and OpenCL 1.2 Full AVC/VC1/MPEG2 HW Decode	
	VGA	Up to 1920 x 1200 with 60 Hz, 154 MHz pixel clock rate	
	LVDS	LVDS with 3.3V, 5V and 12V on LCD VDD power. 5V and 12V support on LVDS inverter Dual channel 24-bit LVDS, max resolution up to 1920 x 1200 with 60Hz	
Ethernet	HDMI / DisplayPort*	Supports HDMI 1.4 for HD Video playback Max resolution up to 3200 x 2000 at 60 Hz on DisplayPort, 4096 x 2304 at 24 Hz on HDMI	
	Multi-Display	VGA+HDMI/DP*, VGA+LVDS, HDMI/DP*+LVDS, VGA + HDMI/DP* + LVDS	
	Speed	10/100/1000Mbps	
Audio	Controller	GbE1: Intel i218, GbE2: Intel i210	
	Connector	2 RJ45 on Rear I/O	
WatchDog Timer	Codec	High Definition Audio (HD), Line-in, Line out, Mic-in	
Storage	Amplifier	Optional via MIOe	
	SATA	Output System reset, Programmable counter from 1 ~ 255 minutes/ seconds	
Rear I/O	mSATA	2, up to 6.0 Gb/s (600 MB/s)	
	Ethernet	1 x Full-size (support either mSATA or miniPCIe, select by switch)	
	VGA	2	
	HDMI / DisplayPort*	1	
	USB 2.0	1	
	USB 3.0	2	
	LED	Power, HDD	
Internal I/O	DC Jack*	1	
	Serial	2 x RS-232 from COM1/2, 2 x RS-232/422/485 from COM3/4 with auto flow control (ESD protection: Air gap ±15kV, Contact ±8kV)	
	USB*	1 (Shares with the USB port for Mini PCIe)	
	iPC	1 (Shares with SMBus pin)	
	SMBus	1	
Expansion	GPIO	8-bit general purpose input/output	
	Mini PCIe	1 x Full-size with SIM card holder (default support mSATA) 1 x Half-size	
	MIOe	Displayport*, SMBus, 3 x USB2.0, LPC, 1 x PCIe x1, line out, +5 Vsb/+12 Vsb power, Power On, Reset	
Power	Power Type	Single 12V DC power input	
	Power Supply Voltage	Supports single 12V input, ± 10%	
	Power Consumption (Typical)	MIO-5271U-S6A1E: 0.38 A @ 12 V (4.56 W) MIO-5271U-S9A1E: 0.39 A @ 12 V (4.68 W)	
	Power Consumption (Max)	MIO-5271U-S6A1E: 1.71 A @ 12 V (20.52 W) MIO-5271U-S9A1E: 2.46 A @ 12 V (29.52 W)	
	Power Management	ACPI	
	Battery	Lithium 3 V / 210 mAh	
Environment	Operational	0 ~ 60° C (32 ~ 140° F) (Operational humidity: 40° C @ 95% RH Non-Condensing)	
	Non-Operational	-40° C ~ 85° C and 60° C @ 95% RH Non-Condensing	
Physical Characteristics	Dimensions (L x W)	146 x 102 mm (5.7" x 4"), same as 3.5"	
	Weight	0.84 kg (1.72lb), weight of total package	
	Height	Top Side: 24 mm (MIO-5271U), 34 mm (MIO-5271Z&Z2); Bottom Side: 6.8 mm; PCB: 1.6mm	

*It will not be supported in default, please contact to Advantech if this function is needed.

ADVANTECH

MIO Extension SBCs, Modules and Chassis

All product specifications are subject to change without notice

Last updated : 17-Feb-2015

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