

AXKL10-6L

Fanless Industrial Network Security Appliance with Intel® Celeron® and Core i Processor, 6×Gbit LAN-Ports



Features

- Intel Skylake-U/Kabylake-U, Celeron BGA processor
- Dual channel DDR4 memory up to 32GB
- Dual display: HDMI, DP
- 6×10/100/1000Mbit LAN(2×LAN+4×POE, optional)
- SATA3.0, M.2
- Fanless design and low power consumption
- 9~36V Phoenix input(12V DC input, optional)



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Introduction

The AXKL10-6L is a small form factor embedded system. Built with the Skylake and Kabylake-U platform, it supports 6th and 7th Generation Core™ i3/i5/i7 and Celeron processor, Celeron® 3855U and 3865U, i3-6100U, i3-7100U, i5-6200U, i5-7200U.

This system carries two DDR4 SO-DIMM slots with a total maximum of 32GB to add higher bandwidth and lower latencies for processes. That being said, this computer features M.2 and SATA3.0, which makes it a good choice for data transportation application.

This system also features dual display via 1×Display Port1.2 and 1×HDMI1.4. It has 6×10M/100M/1000M BASE-T gigabit LAN (2×LAN and 4×POE, optional), 4×USB3.0, 2×USB2.0, 2×RS232, catering to most requirements in the market. This system can deliver cutting-edge performance with very low power consumption. Another special feature of this board is its 6×LAN interfaces, which makes it ideal for applications like network security, video surveillance, firewall and so on.



H/W Monitor



Watchdog

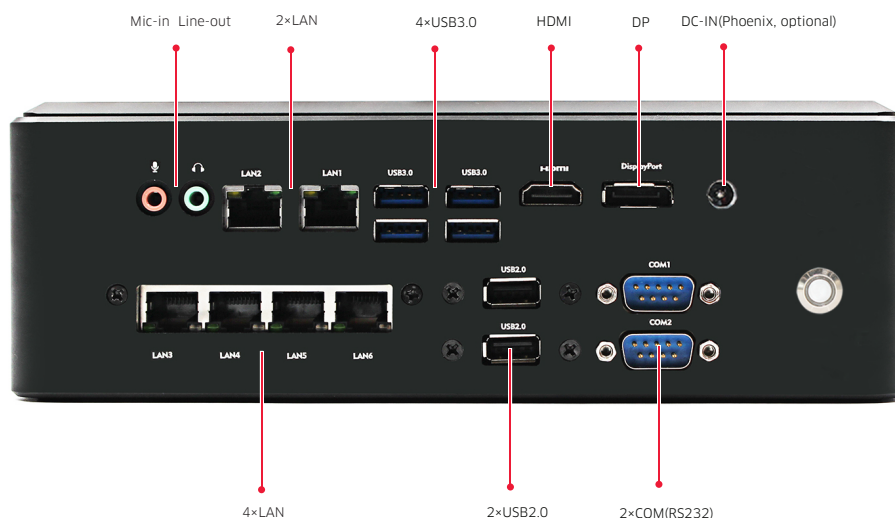


Brightness

CPU Options

Celeron 3855U	(1.60GHz, burst frequency / GHz, dual-core,TDP 15W)
Celeron 3865U	(1.80GHz, burst frequency / GHz, dual-core,TDP 15W)
i3-6100U	(2.30GHz, burst frequency / GHz, dual-core,TDP 15W)
i3-7100U	(2.40GHz, burst frequency / GHz, dual-core,TDP 15W)
i5-6200U	(2.30GHz, burst frequency 2.80GHz, dual-core,TDP 15W)
i5-7200U	(2.50GHz, burst frequency 3.10GHz, dual-core,TDP 15W)

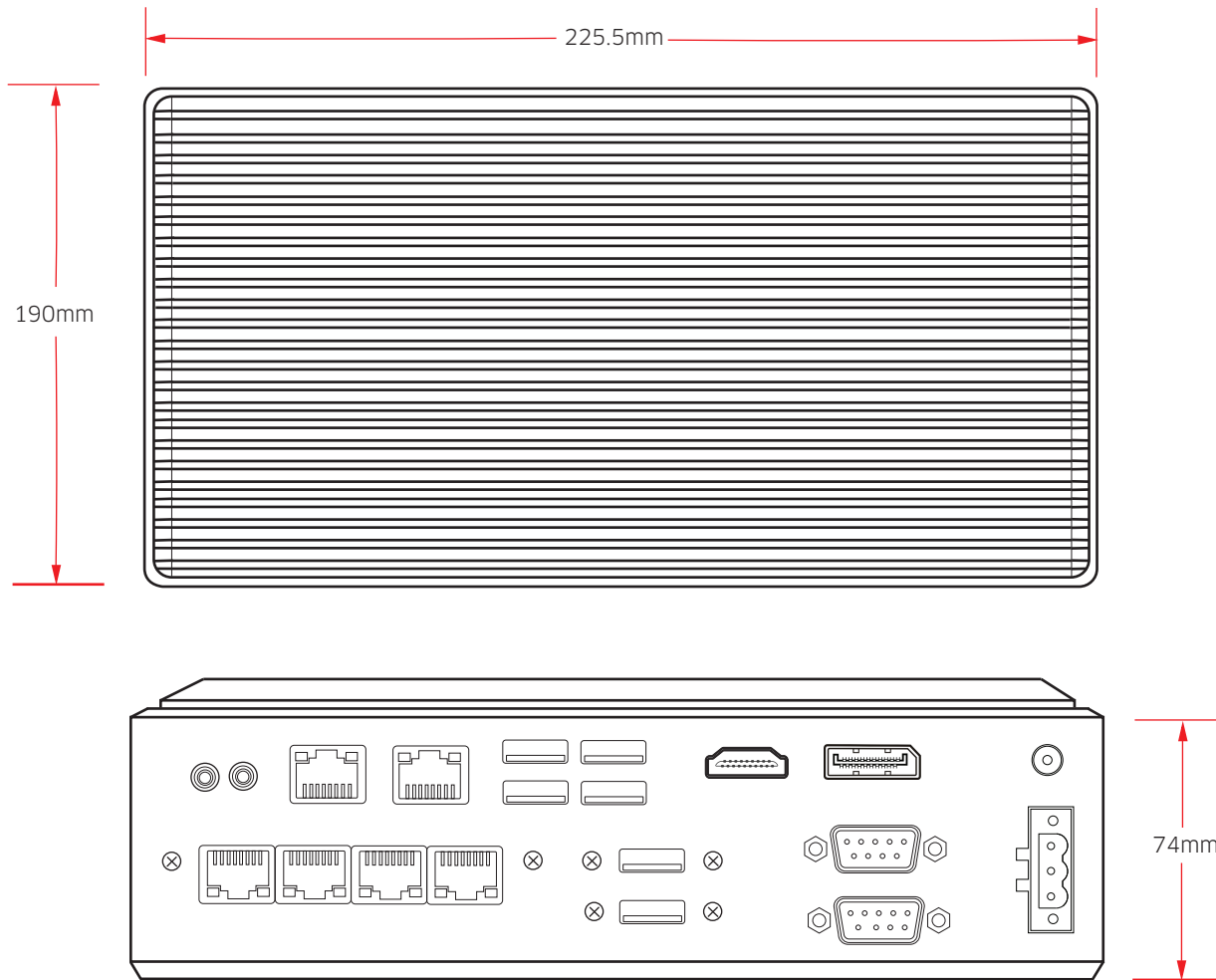
I/O Interfaces



Technical Specifications

Processor	CPU	3855U /3865U	i3-6100U/i3-7100U	i5-6200U/ i5-7200U
	Core frequency	1.60GHz /1.80GHz	2.30GHz/2.40 GHz	2.30GHz/2.50GHz
	Burst frequency			2.80GHz/3.10GHz
	Cache	2MB	3MB	3MB
	BIOS	AMI 8MB UEFI BIOS		
Memory	Type	2×SO-DIMM DDR4-2133MHz		
	Capacity	32GB		
Display	GPU	Intel HD Graphics 610/620 (Based on CPU)		
	HDMI	1		
	DP	1		
	Dual display	HDMI+DP		
Ethernet	Speed	10/100/1000Mbps		
	Controller	2×intel i211+4×intel i350		
	Interface	6×LAN(2×LAN+4×POE, optional)		
	Wake on LAN	Yes		
Audio	Audio codec	Realtek HD ALC662		
	Interface	Line-out, Mic-in, audio header		
Hardware	CPU	system temperature, onboard voltage, watchdog, Auto power on		
Storage	M.2	1×M.2 for wifi		
		1×M.2 for 4G or 2242 SSD		
		1×M.2 for 2242 SSD		
	SATA3.0	2×SATA3.0 / (only 1 if Celeron onboard)		
Front panel I/O	Audio	1×Line-out, 1×Mic-in		
	COM	2×RS232		
	LAN	6		
	USB3.0	4		
	USB2.0	2		
	DP	1		
	HDMI	1		
	Phoenix	1		
Power	Standard port	9V~36V phoenix terminal(12V DC-IN, optional)		
Dimension	Size	225.5mm×190mm×74mm(L×W×H)		
Weight(kg)	Net weight	2.5kg		
Environment	Operating Temp.	-20°C ~60°C		
	Storage Temp.	-40°C ~80°C		
OS		Win7(Skylake only), Win10 64 bit, Linux 32/64 bit		

Dimensions



Ordering Information

Model	CPU	Memory	HDMI	DP	LAN	Audio	RS232	USB3.0	USB2.0	SATA3.0	M.2	4G	Wifi	Power*	Cooling
AX3855U-BO	Celeron 3855U 15W	2×SO-DIMM DDR4	1	1	6	Yes	2	4	2	1	3	Optional	Optional	Phoenix	Passive
AX3865U-BO	Celeron 3865U 15W	2×SO-DIMM DDR4	1	1	6	Yes	2	4	2	2	3	Optional	Optional	Phoenix	Passive
AX6100U-BO	i3-6100U 15W	2×SO-DIMM DDR4	1	1	6	Yes	2	4	2	2	3	Optional	Optional	Phoenix	Passive
AX7100U-BO	i3-7100U 15W	2×SO-DIMM DDR4	1	1	6	Yes	2	4	2	2	3	Optional	Optional	Phoenix	Passive
AX6200U-BO	i5-6200U 15W	2×SO-DIMM DDR4	1	1	6	Yes	2	4	2	2	3	Optional	Optional	Phoenix	Passive
AX7200U-BO	i5-7200U 15W	2×SO-DIMM DDR4	1	1	6	Yes	2	4	2	2	3	Optional	Optional	Phoenix	Passive
Customized	ODM/OEM is available, 6×LAN can be customized as 2×LAN and 4×POE. * Power can be customized as DC-IN.														

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