

VAPL-30

Intel® Apollo Lake based Fanless Mini PC
with 3 LAN and 2 HDMI and 1 DP



Features

- Onboard Intel Apollo J3455, J3355, N3350, N3450, N4200 and J4205
- 2 × SO-DIMM slots for memory up to 8GB
- Support trio independent display via 2 × HDMI and 1 × DP
- Rich I/O ports: 2 × USB3.0, 4 × USB2.0, 3 × LAN, 2 × COM
- Wide Expansions: 1 × SATA, 1 × Micro SIM slot, 1 × mSATA, 1 × mini-PCIe, 1 × eMMC (optional)
- Fanless design and low power consumption
- High quality Aluminium Enclosure

Introduction

The VAPL-30 is a small form factor embedded fanless system. Built with the Intel® Apollo Lake platform, it supports Intel® Celeron™ J3355, J3455, J4205, N3350, N3450 and N4200. With low power consumption, it is designed to be fanless. This system carries two DDR3L 1600MHz SO-DIMM slots with a total maximum capacity of 8GB to add higher bandwidth and lower latencies for processes. That being said, this computer also features one Micro SIM card slot, one Mini-PCIe and eMMC(optional) which makes it a good choice for data transportation applications.

This embedded system also supports trio independent display via HDMI and DP interfaces. It has rich interfaces as 4×USB2.0, 2×USB3.0, 2×COM, 1×Mic-in, 1×Line-out and 3×LAN, catering to most requirements in the market. This Apollo Lake based fanless system is designed for various application as, but not limited to, automation, network security, communication and transportation.



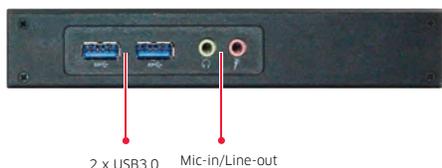
CPU Options

Celeron J3355	(2.00GHz, burst frequency 2.50GHz, dual-core, TDP 10W)
Celeron J3455	(1.50GHz, burst frequency 2.30GHz, quad-core, TDP 10W)
Pentium J4205	(1.50GHz, burst frequency 2.60GHz, quad-core, TDP 10W)
Celeron N3350	(1.10GHz, burst frequency 2.40GHz, dual-core, TDP 6W)
Celeron N3450	(1.10GHz, burst frequency 2.20GHz, quad-core, TDP 6W)
Pentium N4200	(1.10GHz, burst frequency 2.50GHz, quad-core, TDP 6W)

I/O Interfaces



Rear Panel



Right side



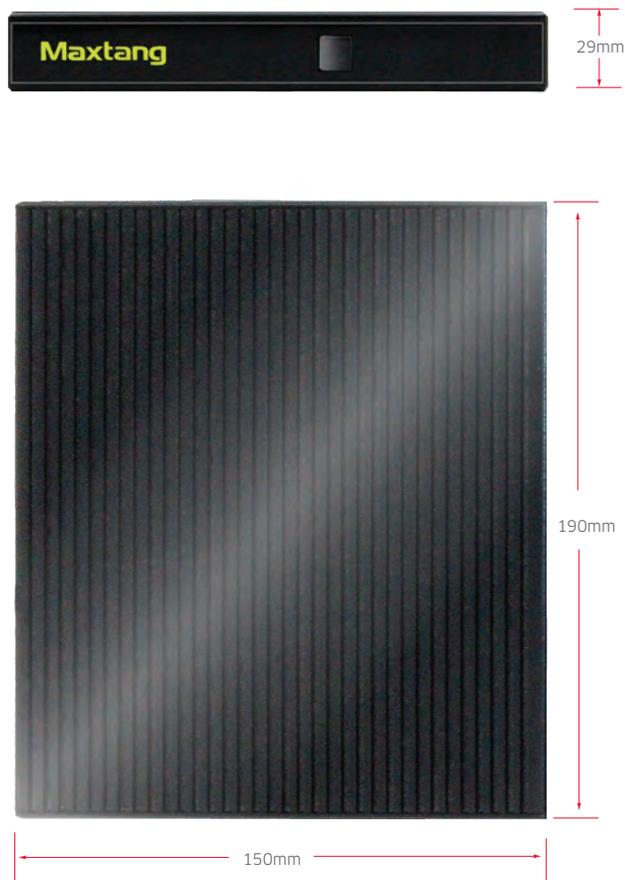
Left side

Technical Specifications

Processor	CPU	J3355	J3455	J4205	N3350	N3450	N4200
	Core frequency	2.00 GHz	1.50 GHz	1.50 GHz	1.10 GHz	1.10GHz	1.10GHz
Burst frequency	2.50 GHz	2.30 GHz	2.60 GHz	2.40 GHz	2.20GHz	2.50GHz	
Cache	2MB	2MB	2MB	2MBL2	2MBL2	2MBL2	
Memory	Type	2 × Single channel DDR3L -1600MHz					
	Max Capacity	8GB					
Display	HDMI	2(HDMI1, without sound and doesn't support hot plug)					
	DP	1					
	Trio display	HDMI+HDMI+DP					
Ethernet	Speed	10/100/1000Mbps					
	Controller	RTL8111H					
	Interface	3 x RJ45					
Audio	Audio codec	Realtek HD ALC662 (Line-out, MIC-in)					
Storage	SATA	1					
	mSATA	1 x mSATA for SSD					
	eMMC	optional					
Expansion	Mini-PCIe	1 (for WIFI or 3G/4G network)					
	Micro SIM card slot	1					
Rear Panel I/O	USB2.0	4					
	HDMI	2					
	DP	1					
	RJ45	3					
	DC-IN	1					
Right & Left sides I/O	Audio	2(Mic-in, Line-out)					
	USB3.0	2					
	COM	2(Default: 2 x RS232, either COM can be set as RS232 or RS485, optional)					
Power	Standard port	12V/19V DC_IN (9V~70V, optional)					
Dimension	L*W*H	150L x 190W x 29H mm					
Weight (g)	N.W.	860g					
Operating Environment	Operating Temp.	-20°C ~60°C					
	Storage Temp.	-20°C ~80°C					
Operating System		Supports Win 8/8.1/10 32/64 bit, Linux 32/64 bit					

* All specifications and photos are subject to change without notice.

Dimensions



Ordering Information

Model	CPU	Memory	DP	HDMI	LAN	COM	Audio	SATA	mSATA	Micro SIM card slot	eMMC optional	Mini-PCIe	USB3.0	USB2.0	Power	Cooling
VX3355-B0	J3355	2 × DDR3L	1	2	3	2	Yes	1	1	1	1	1	2	4	DC-IN	Passive
VX3455-B0	J3455	2 × DDR3L	1	2	3	2	Yes	1	1	1	1	1	2	4	DC-IN	Passive
VX4205-B0	J4205	2 × DDR3L	1	2	3	2	Yes	1	1	1	1	1	2	4	DC-IN	Passive
VX3350-B0	N3350	2 × DDR3L	1	2	3	2	Yes	1	1	1	1	1	2	4	DC-IN	Passive
VX3450-B0	N3450	2 × DDR3L	1	2	3	2	Yes	1	1	1	1	1	2	4	DC-IN	Passive
VX4200-B0	N4200	2 × DDR3L	1	2	3	2	Yes	1	1	1	1	1	2	4	DC-IN	Passive

Customization available