

VigitaSign –

VPC-ARL30V20

Quad Display Media Player



AI-Ready
Performance



Supports Up to
Four Independent
4K Displays



High-Speed
LPDDR5 Memory



Flexibility for
Storage Expansion

Industrial-Grade Design

Fanless Cooling

Dual High-Speed
Ethernet Connectivity

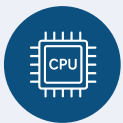


Introduction

The VPC-ARL30V20 is a high-performance embedded mini PC powered by the latest Intel® Core™ Ultra (Meteor Lake/Arrow Lake) processors with integrated Intel® AI Boost NPU for efficient edge AI computing and intelligent automation. Supporting up to four independent displays via HDMI and USB-C, it is ideal for digital signage, control rooms, and smart retail applications.

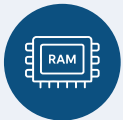
Designed for industrial reliability, it features dual Gigabit Ethernet, high-speed LPDDR5 memory, multiple USB and COM ports, and extensive M.2 expansion for NVMe SSD, 4G, and Wi-Fi modules. With wide 9–36V DC power input and operating temperatures from -20°C to 60°C, the VPC-ARL30V20 delivers dependable performance for demanding industrial and edge computing environments.

Features



CPU

Intel® Meteor Lake/Arrow Lake-U/H Processor



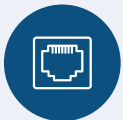
Memory

Onboard LPDDR5, 8GB/16GB/32GB



GPU

Integrated Intel® Graphics, Max Four Displays



Ethernet

10/100/1000/2500Mbps



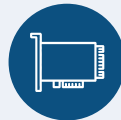
Storage

3 x M.2 Key M for NVMe SSD, M.2 Key B for SATA SSD/4G



I/O Ports

2xLAN, 2xCOM, 4xUSB3.2, 2xUSB2.0, 4xHDMI, USB-C



Expansion

M.2 Key E for Wi-Fi (support CNVi, PCIe, & USB), Nano SIM



Power

9-36VDC-IN/Phoenix optional



Support Intel® AI Boost NPU,

HDMI Hot-Plug Lock, RTC/W

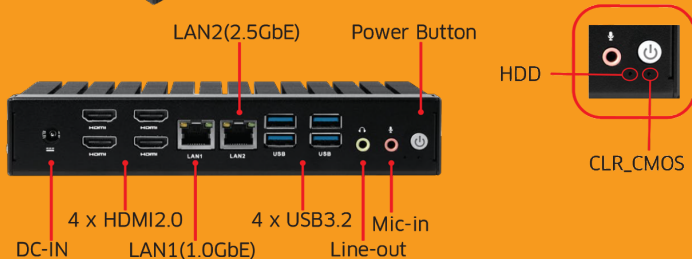
I/O Interfaces



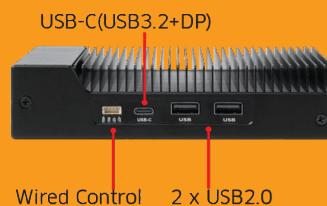
• PASSIVE



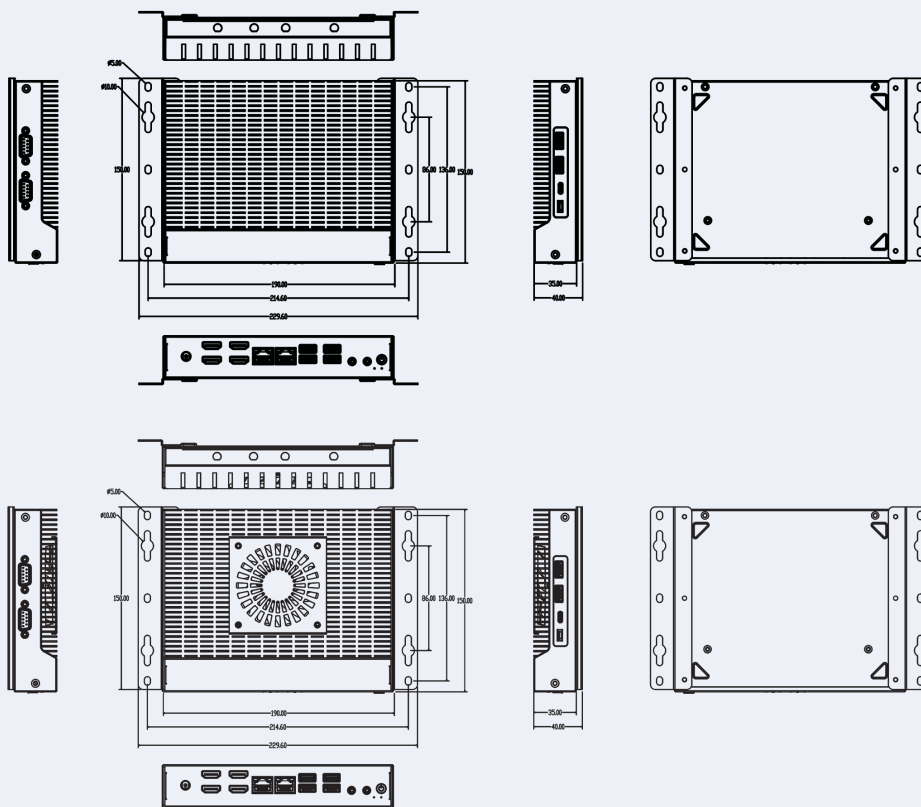
• ACTIVE



2xCOM
(RS232/RS485)



Dimensions (mm)



Technical Specifications

Processor	Intel® Core™ Ultra 5/Ultra 7	125U	225U	125H
	Total Cores/Threads	12C/14T	12C/14T	14C/18T
	P-core Max Turbo Frequency	4.30GHz	4.80GHz	4.50GHz
	E-core Max Turbo Frequency	3.60GHz	3.80GHz	3.60GHz
	Cache	12MB	12MB	18MB
	Processor Base Power	15W	15W	28W
NPU	Intel® AI Boost	Yes	Yes	Yes
	BIOS	AMI UEFI BIOS		
Memory	Type	Onboard LPDDR5		
	Capacity	8GB/16GB/32GB		
Display	Graphics	Integrated Intel® Graphics/Intel® Arc™ Graphics		
	Display via	4 x HDMI2.0, 1 x USB-C(DP1.4)		
	Max. Display	Up to 4 independent displays, HDMI Hot-Plug Lock supported		
Ethernet	Controller	LAN1: 1xIntel i219(1.0GbE), LAN2: 1xIntel i226(2.5GbE)		
	Interface	2 x RJ45		
	Wake on LAN	Yes		
Audio	Audio Codec	SenaryTech SN6186		
	Interface	1 x Line-out, 1 x Mic-in		
Storage & Expansion	M.2_N1	1 x M.2 Key M Slot for 2280 NVMe SSD		
	M.2_N2	1 x M.2 Key M Slot for 2280 NVMe SSD		
	M.2_N3	1 x M.2 Key M Slot for 2280 NVMe SSD		
	M.2_SW	1 x M.2 Key B Slot for 2280 SATA SSD/3042 4G Module		
	M.2_E	1 x M.2 Key E Slot for 2230 Wi-Fi&BT Module, Support CNVi, PCIe & USB.		
	Nano SIM	1 x Internal Nano SIM Slot		
Other I/O	COM	2 x COM, RS232 by default, RS485 optional		
	USB2.0	2 x USB2.0		
	USB3.2	4 x USB3.2		
	USB-C	1 x USB-C(supports USB3.2 plus DP1.4)		
	Wired Control	1 x Wired Control Switch		
	TPM	Onboard, optional		
Real Time Clock	RTC	Support RTC set up, independently for each day of the week.		
Dimension	Size	190mm x 150mm x 35mm		
Weight	N.W.	TBD		
Power	Standard Port	9-36V DC-IN		
	Optional	Phoenix_2PIN		
Temperature	Operating Temp.	- 20°C to 60°C		
	Storage Temp.	- 40°C to 80°C		
Cooling Method		Passive(U Series Processors)		
		Active(H Series Processors)		
Operating System		Windows 11 64bit, Linux 64bit		

The Ultimate Digital Signage Management System

Manage Smarter, Engage Better, Perform Greater.

Everything You Need for a Smarter, Faster Signage

- Remote & Flexible Content Management
- Support for WiFi
- Unlimited Content Looping Playback
- Remote Content Scheduling
- Screen Splicing
- Screen On/Off
- Data Collection & Reporting
- Content Synchronization



Content

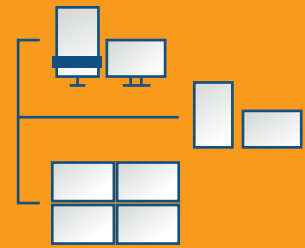
Upload



VigitSIGN Content Management System



Cloud



Digital Signage

Effortlessly Track, Analyze & Optimize

Our signage software gives you easy-to-use tools to track performance, improve your content, and keep your hardware running smoothly.



100% Secure CLOUD Based System



Support for Multi-Level User Access



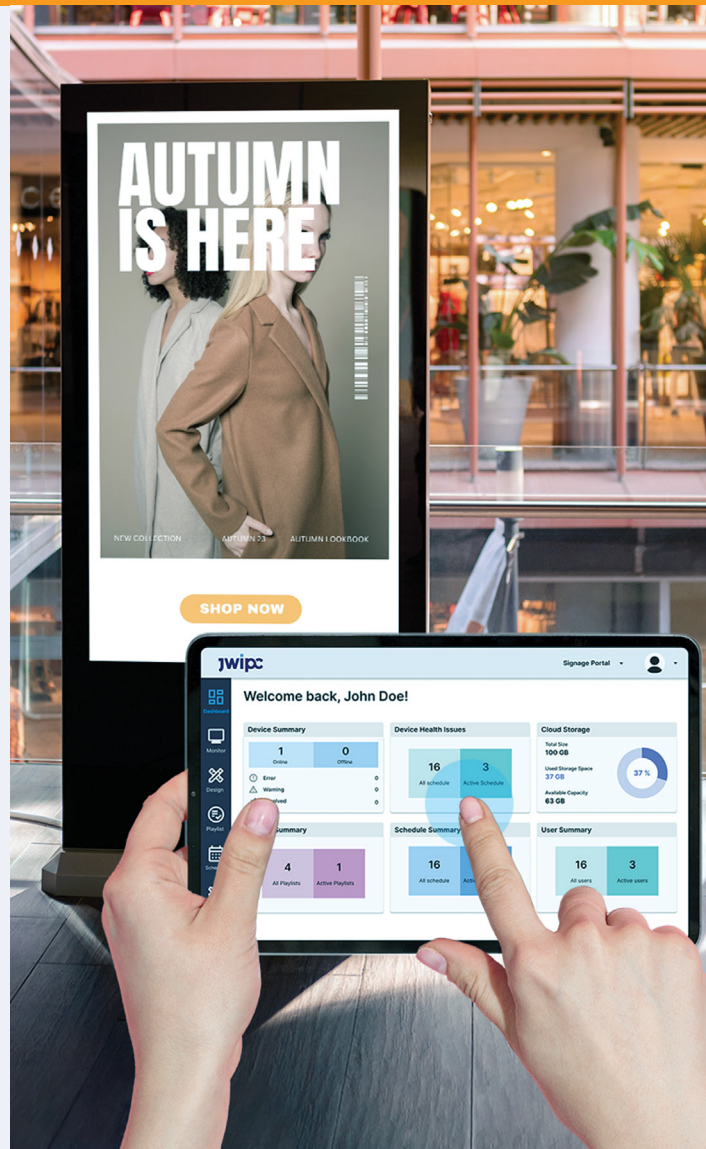
Cloud & Local USB Content Update



Live Layout Preview



Real-Time Hardware & Software Monitoring





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