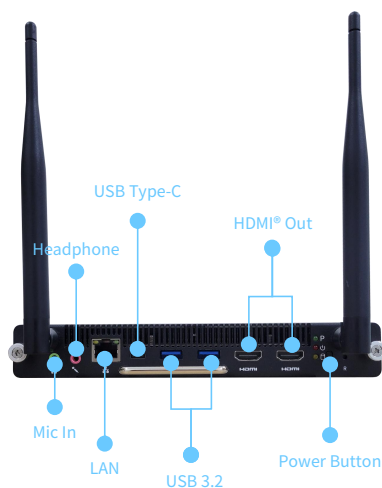# OPSC27 Specification

Overview

Decenta OPSC27 is the newest generation 120pin OPS product. It provide higher performance, better compatibility & stability. It's widely used in various scenarios such as education, conference IWB and digital signage.

- Support Intel® 7 Core™ Processor.
- Max.64G, 2x DDR5 5600MHz SO-DIMM Memory, Dual Channel.
- Superspeed 10Gbps data transmission through USB Type-C.
- High-speed wired network transmission through 2.5Gbps Lan gigabit.
- MXM Type-A Discrete Graphic Card support.
- Max. 8K video output & rich display interfaces(HDMI®/DP/Type-C) to provide better visual experience.
- eDP IFPD support.
- Support Intel® vPro® technology.
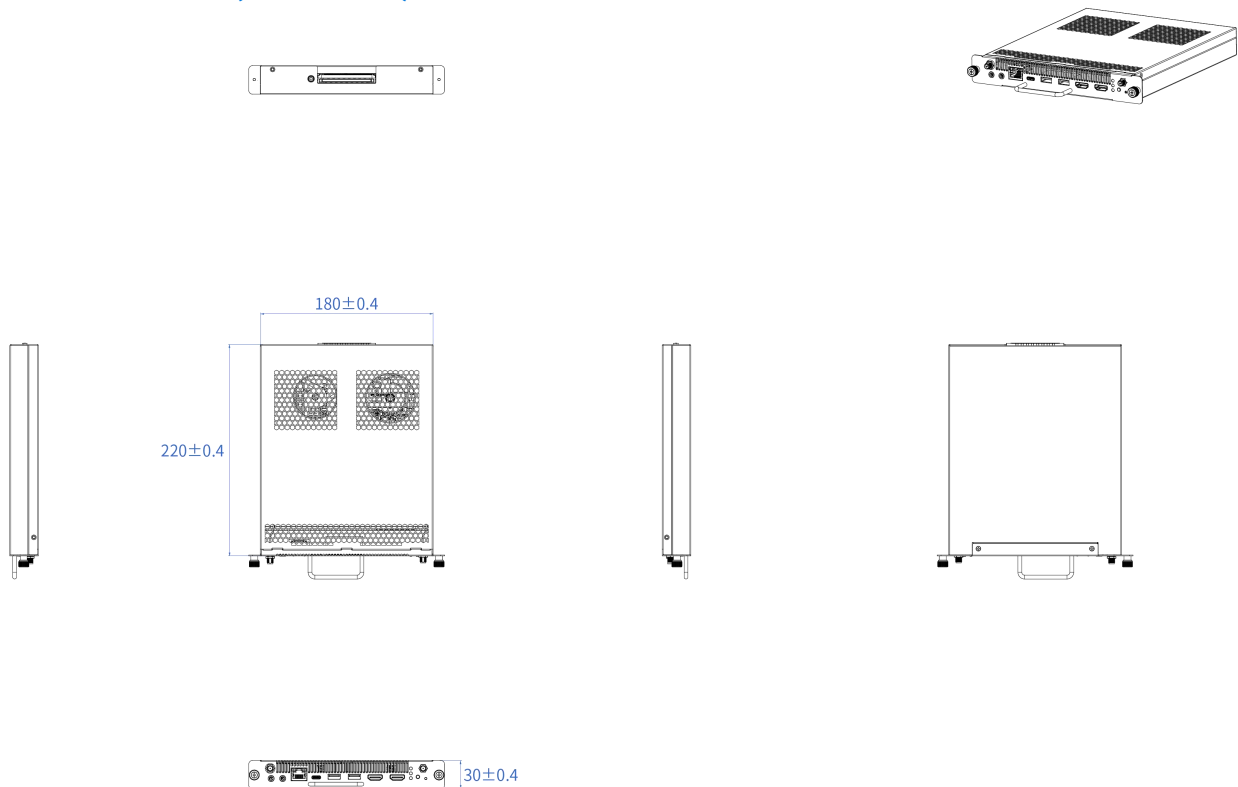- Support TPM encryption technology.

I/O Overview

Specifications

Model			S23-RPLSR-OPSC27
CPU			Support Intel 7 for Intel® Core™S Processor Platform, TDP 65W
Chipset			Intel® Q670 Chipset
Memory	Type		2x DDR5 SO-DIMM, Up to 5600MHz, Dual channel
	Capacity		Max. 64G
Graphic	Controller		Intel® UHD Graphics 770 driven by Xe architecture
	Connector		HDMI®/eDP Support
	Add on Graphic		Intel® A370M,Type-A MXM
Expansion	MXM		1x MXM Slot for Graphic Card
Network	Ethernet	Controller	Intel® i226-LM(BTB) /Intel® 219V
		Connector	RJ45
	Wi-Fi		1x M.2 E-Key 2230 Slot for WiFi 7 & BT5.4 - Default: Intel® AX210(Test with AX211 as well)
Audio	Controller		Realtek ALC245
Storage	SSD		1x M.2 M-Key 2242/2280 Slot, Support PCIe Gen 4 Mode - Default: 512G
I/O	Front	LAN	1, 1Gbps RJ45
		USB 3.2	2, USB 3.2 Gen 2 with 10Gbps
		USB Type-C	2, with DP Alt Mode
		HDMI® Out	1, with HDMI® Out of resolution of 4K@60Hz
		Headphone	1
		Mic In	1
		LED	3(Power_LED, HDD_LED, P_Status)
		Power Button	1
		Reset button	1
		Antenna	2, Reserved
		Kensingdon keyhole	1
	Rear	120Pin Connector	1x 2.5Gbps RJ45
			1x eDP 1.4b Support with resolution of 8K@60Hz
			1x HDMI® 2.1 Support with resolution of 4K@120Hz or 8K@60Hz
			2x USB 3.2 Gen 2 with 10Gbps
			3x USB 2.0
			I2S for Digital audio
			1x UART
			3x I2C
			1x PCIe 4.0
		DC Jack	1
	Internal	SPI	1x 12Pin Header
		Sequence LED	1, on Board
		Fan Header	2x 4Pin CPU Fan Headers
Environment	Temperature	Operating	0°C - 45°C(UPB module must support 0°C to minimum 50°C)
		Storage	-20°C - 60°C
	Humidity	Operating	10%~90% non-condensing
		Storage	5%~95% non-condensing

Specifications

Model	S23-RPLSR-OPSC27
Cooling System	Dual CPU Fans & Heatsink
Noise Value	Intel Requirement: 35db
Power	DC 12-19V
OS	Windows 10 IOT Enterprise LTSC Windows 11 IOT Enterprise
Bios	Insyde BIOS
Dimensions	220mm x 180mm x 30/42mm
Remark	* Depend on CPU and Network cards

Dimensions (Unit： mm)

180±0.4

220±0.4

30±0.4