

DCP-87P5

OPS Computer Module



Description

The DCP-87P5 is a high-performance OPS Computer Module based on OPS-C standard and powered by Intel® 12th Gen Core™ i5-1235U processor. It supports multiple 4K display outputs via HDMI, DisplayPort, and OPS interface, delivering excellent visual performance for professional applications. With rich I/O interfaces including USB 3.2, USB 2.0, Type-C, Gigabit Ethernet, and M.2 expansion slots, it ensures strong scalability and system compatibility. It features Wi-Fi 6, high-speed NVMe storage, and hot-plug OPS design for stable and flexible operation.

Features

- Compliant with OPS-C standard design specification
- Intel® 12th Gen Core™ i5-1235U processor
- Supports HDMI 2.0 + DP 1.4 + HDMI 2.0 (OPS interface) display output
- Supports HDMI 2.0b, up to 4K@60FPS via OPS interface
- Supports 3 × USB 3.2 + 3 × USB 2.0 + 1 × Type-C USB
- Supports DDR4 dual-channel memory, 3200MHz, up to 32GB
- Supports M.2 Key-M-1 interface, compatible with SATA3 SSD and PCIe ×4 SSD
- Supports M.2 Key-M-2 interface, PCIe ×4 NVMe SSD only
- Supports M.2 Key-E interface (2230mm), Wi-Fi + Bluetooth, supports Wi-Fi 6
- Supports hardware one-key system backup and restore
- Unique design supports hot-plug OPS interface without damage
- Enhanced USB signal driving capability, compatible with various touch frames and external devices

Specifications

Model		DCP-87P5
Processor		Supports Intel® 12th Gen Core™ i5-1235U processors
BIOS		AMI BIOS supports write protection, diskless boot, Wake-on-LAN, automatic power-on, scheduled startup, watchdog timer, remote power on/off, intelligent device detection, and TPM 2.0.
Memory	Capacity	2 × SO-DIMM, DDR4 3200 MHz Max32GB
Storage	Interfaces	1 × SATA interface (optional, for 2.5" HDD / SSD)
		1 × M.2 Key-M1, supports SATA3 and PCIe×4 NVMe SSD (2280) 1 × M.2 Key-M2, supports PCIe×4 NVMe SSD only (2280)
Display (I/O Graphics Output)		Intel® Iris® Xe Graphics HDMI: up to 4096 × 2304 @ 60Hz DisplayPort (DP): up to 4096 × 2304 @ 60Hz VGA output (optional for 42mm OPS chassis)
OPS Display Output		HDMI 2.0: up to 4096 × 2304 @ 60Hz
Network	Wired	1 × RTL8111H Gigabit Ethernet (onboard RJ45)
	Wireless	1 × M.2 Key-E slot (for Wi-Fi + Bluetooth module, supports CNVi protocol, WiFi 6)
I/O	USB	3 × USB3.2 2 × USB2.0 1 × Type-C
	LAN	1 × RJ45
	Interface	1 × DC power input 1 × OPS 80-pin connector
	LED	1 × POWER LED 1 × HDD LED
I/O	Button	1 × Power button 1 × Reset button (short press: restart / long press: clear CMOS) 1 × Ghost button (one-key system restore)
	Audio	1 × LINE-OUT & 1 × MIC-IN
Power	Input	DC 12 ~ 19V
Watchdog	Function	System auto-restart on system failure
	Interval	1 ~ 65535 sec
Product Dimensions		180 (L) × 195 (W) × 30 (H) mm
Operating System	Version	windows10 / windows11/ Linux
Operating Environment	Temperature	Operating: 0°C ~ 60°C ; Storage: -20°C ~ 75°C
	Humidity	0% ~ 90%, non-condensing