

PDOPAL-5 - ALDER LAKE I5 12450H - OPS

High-Performance Plug-and-Play Computing for Interactive Displays.



The **PDOPAL-5** is a commercial-grade Open Pluggable Specification (OPS) PC module powered by the 12th Generation Intel® Core™ i5 processor. Engineered to slot directly into compatible interactive flat panels, digital signage, and smart whiteboards, it delivers seamless processing power, high-bandwidth graphics, and enterprise reliability in a standardized, easily maintainable architecture.

Intel® i5 12th Gen Intel® Alder Lake i5 12450H	2 DISPLAY Support 1 x HDMI x 1 DP x Type C	UP TO 64 GB DDR4 2666 MHz	ULTRA COMPACT 114 × 124 × 39 mm
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TECHNICAL SPECIFICATIONS

Processor	Intel® Alder Lake i5 12450H
Graphics	Intel® UHD Graphics
Memory	Dual channel SO-DIMM DDR4 upto 3200MHz Max 32GB
Storage	1 × M.2 2280 NVME up to 2TB, 1 x 2.5 SATA Max up to 2TB
Video Output	1 × HDMI, 1 x Display Port, 1 x 80PIN JAE Connector (1 x HDMI 2.0, 1 x DP 1.4)
Wireless /	1 x M.2 2230 slot for WIFI_BT Module
Ethernet	Lan IC 1 x Realtek 8111H Co-Lay Intel Ethernet Connec
USB	2 × USB 3.2, 2 × USB 2.0, 1 x Type C, 1 x Type C (thunderbolt),
Audio	1 × 3.5mm Combo Audio Jack; 1 × Digital Mic
Front I/O	1x DP 1.4, 1xHDMI 1.4, 2x USB 3.0, 2 USB 2.0, 1 x Type-C (USB3.1), 1 x RJ45, 1 x Combo Audio Jack, 2 x Wi-Fi BT Antenna
OPS - I/O Ports	1 x 2.5/5.5 DC Jack In, 1 x HDMI, 1 x DP 1.4, 2 x USB 2.0, 1 x USB 3.0, 1 x TTL
Operating System	Windows 11
Power	12~19V DC IN, 2.5/5.5 DC Jack, JAE 80 Pin DC IN
Dimensions (LxWxT)	119(L) x 180(W) x 30(H) mm

CORPORATE DESIGN ADVANTAGES

12th Gen Processing Power:	Leverages the Intel® Core™ i5-12450H processor with integrated Intel® UHD Graphics for smooth, responsive performance.
Unified JAE 80-Pin Interface:	Features a standard 80-pin connector handling display streams (HDMI 2.0 / DP 1.4) and reliable internal power delivery.
Flexible Multi-Display Configurations	Capable of driving independent display outputs through external front I/O ports and internal OPS interfaces
Robust Thermal Design	Engineered to operate reliably in workspace temperatures ranging from 5°C to 45°C.

Model: PDOPAL-5 | AiNUC OPS

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