

Pana OPS

for Pana 81T/81D, 92CT, and 105T/105D



Pana OPS

- 12th Gen Intel Core i7-12650H, desktop-class 10 cores / 16 threads
- 5K60Hz output via JAE 80-pin (HDMI 2.0 + DP 1.4 up to 8K60Hz)
- Simultaneous dual-display and asynchronous triple-display
- Intel Iris Xe integrated GPU, TPM 2.0, Intel vPro
- Wi-Fi 6 and Bluetooth 5.2
- Front-panel HDMI, DP, USB-C, USB 3.2 Gen 2, USB 2.0, 2.5G Ethernet

Modular Compute for Pana Displays

The Pana OPS is a slide-in Open Pluggable Specification module engineered specifically for the Jupiter Pana display family. It drops into the OPS bay on the Pana 81T, 81D, 92CT, and 105T/105D to deliver a fully integrated Windows or Linux workstation without external cabling.

Powered by a 12th Generation Intel Core i7-12650H desktop-class processor with 10 cores and 16 threads, and Intel Iris Xe integrated graphics, the Pana OPS drives the full 5K resolution of Pana displays at 60Hz via the JAE 80-pin connector, while simultaneously extending to a second HDMI or DisplayPort/USB C output on the front panel.

Front-panel HDMI, DP, USB-C, four Type-A USB ports, and 2.5 GbE keep connectivity in easy reach. TPM 2.0 and Intel vPro deliver enterprise-grade security and remote management.

PANA OPS FEATURES

Desktop-Class Performance

12th Generation Intel Core i7-12650H with 10 cores and 16 threads for demanding workloads.

5K60Hz Native Output

Drives the full Pana 21:9 5K canvas at 60Hz through the JAE 80-pin connector and the front DP 1.4 and USB C 3.2 ports.

Triple-Display Ready

Simultaneous dual-display and asynchronous triple-display via HDMI, DP, and USB-C.

Intel Iris Xe Graphics

Integrated GPU with hardware acceleration for 4K video, WebGL, and content creation apps.

Front-Accessible I/O

HDMI 2.0, DP 1.4, USB-C, 2 x USB 3.2 Gen 2, 2 x USB 2.0, 3.5 mm audio output, 3.5 mm Mic Input and 2.5G RJ45.

Enterprise Security

TPM 2.0 chip and Intel vPro for hardware-rooted security and remote management.

Windows and Linux Support

Ships ready for Windows 11 Pro (unactivated copy), or your preferred Linux distribution.

Pana OPS Specifications

GENERAL

Model Name	Pana OPS
Processor	Intel Core i7-12650H
CPU Cores / Threads	10 cores / 16 threads (desktop-class)
Chipset	12th Gen Intel Core, OPS-conforming
GPU	Integrated Intel Iris Xe Graphics
Security	TPM 2.0, Intel vPro
OS Support	Windows 11 Pro (unactivated copy), Linux
Audio Codec	Cmedia USB Audio (HS100B)

MEMORY & STORAGE

RAM	16 GB DDR4 (2 x 8 GB SO-DIMM)
Memory Speed	DDR4 2666 / 3200 MHz
SSD	256 GB M.2 2280 NVMe
Storage Expansion	1 x 2.5" SATA III HDD / SSD bay (up to 1 TB)

WIRELESS

Wi-Fi	Wi-Fi 6 (M.2 2230), dual-band 2.4 / 5 GHz
Bluetooth	Bluetooth 5.2
External Antennas	2 x Wi-Fi / Bluetooth

POWER

Input Voltage	19 V DC, 4.7 A
Maximum Power	approximately 90 W
Standby Power	0.5 W
RTC Battery	CR2032, 3 V Lithium Ion

FRONT PANEL I/O

HDMI OUT	1 x HDMI 2.0 (max 3840 x 2160 at 60 Hz)
DisplayPort OUT	1 x DP 1.4 (max 5120 x 2160 at 60 Hz)
USB-C	1 x USB-C (max 5120 x 2160 at 60 Hz)
USB 3.2 Gen 2 Type-A	2
USB 2.0 Type-A	2
LAN	1 x RJ45, Intel I226-V 2.5 GbE
Line Out	1 x 3.5 mm analog
Mic In	1 x 3.5 mm analog
Power Connector	1 x DC-in (optional AC adapter available)
Restore Button	1
Indicators	Power LED, HDD / SSD activity LED

BACK PANEL (JAE 80-PIN)

HDMI Out	1 x HDMI 2.0 (4K at 60 Hz)
DisplayPort Out	1 x DP 1.4 (up to 8K at 60 Hz)

DIMENSIONS

Unit Dimensions	180 x 118 x 30 mm (7.09 x 4.65 x 1.19 in)
Shipping Dimensions	280 x 200 x 70 mm
Net Weight	approximately 0.8 kg (1.76 lbs)
Gross Weight	approximately 1.0 kg (2.20 lbs)
Handle	1
Lock Hole	1, for cable lock
Color	Black

ENVIRONMENTAL

Operating Temperature	0 to 45 C (32 to 113 F)
Operating Humidity	10 to 95 %, non-condensing (at 40 C)
Storage Temperature	-40 to 80 C (-40 to 176 F)
Storage Humidity	10 to 90 %, non-condensing
Noise Level	Normal usage: less than 30.4 dB

REGULATORY

Certifications	cULus, CE, FCC, ICES, AS/NZS, RoHS, REACH
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