

DHI-SP-PI7C82IS

Open Pluggable Specification



- Intel® Alder lake-H i7-12650H, 4.70GHz.
- Intel® UHD Graphics for 12th Gen Intel® Processors.
- 1 x 8GB DDR4 3200MHz.
- 1 x 256GB 2280 SSD, Nvme/SATA.
- 1 x 2230 PCIe/USB2.0, WIFI/BT Module.
- 1 x HDMI 1.4, 1 x DP1.2, 2xUSB3.1, 2xUSB2.0, 1 x RJ45 10/100/1000M, 1 x USB3.1 Type-C.

Series Overview

Highly intuitive, the detachable PC module is an OPS module with an Intel CPU. It has a thin design that makes it quick and easy to be inserted into the smart interactive whiteboard, offering the whiteboard access to the Windows operating system.

Technical Specification

Function	
Processor	Intel® Alder lake-H i7-12650H, 4.70 GHz
Chip	SOC
BIOS	AMI UEFI BIOS
Integrated Graphics Card	Intel® UHD Graphics for 12th Gen Intel® Processors
Sound Card	Realtek ALC897
Memory	8 GB
Disk	256 GB
Button	Front, 1 x power button, 1 x resetting button (recessed socket)
Operating System	Supports Windows 11 Pro or without any operating system.

function	
Number of Cores	10
Number of Threads	16
Level 3 Cache	24 MB

Device Ports	
Power	1 x DC IN
Network Port	1 x RJ-45 (10/100/1000 Mbps)
USB	2 x USB 3.1, 2 x USB 2.0

Type-C Port	1 x USB 3.1 Type-C
DP	1 x DP1.2 out, Max.4K/60 Hz
HDMI	1 x HDMI 1.4 out, Max.4K/30 Hz
Audio Port	1 x Line-out and MIC-In, 2-in-1 Connector
Wi-Fi	Yes
Extension Interface	1 x 80 pin JAE port
Wi-Fi Standard	802.11a/b/g/n/ac/ax
Wi-Fi Frequency Range	2400-2483.5 MHz, 5170-5330 MHz, 5490-5730 MHz, 5730-5835 MHz
MAX Power Transmission (Wi-Fi)	CE EIRP: ≤20 dBm@2400; ≤23 dBm@5150-5250 MHz; ≤23 dBm@5250-5350 MHz; ≤23 dBm@5470-5650 MHz; ≤23 dBm@5650-5725 MHz; ≤14 dBm@5725-5850 MHz
Bluetooth	Yes
Bluetooth Standard	BRIEF Bluetooth5.2
Bluetooth Frequency Range	2400–2483.5 MHz
MAX Power Transmission (Bluetooth)	CE EIRP: ≤20 dBm@2400–2483.5 MHz;
RFID Modulation Method	PSK
RFID Frequency Range	13.56 MHz; 125 kHz
MAX Power Transmission (RFID)	CE 125 kHz: 66 dBuA/m @10 m 13.56 MHz: 42 dBuA/m @10 m
Power	
Operating Voltage	12–19 VDC
Standby Power Consumption	0.8 W
Power Consumption	Typ: 53 W; Max: 58.8 W

Detachable PC Module | DHI-SP-PI7C82IS

Environment

Operating Temperature	-5 °C to +45 °C (+23 °F to +113 °F)
Operating Humidity	10%–90%, non-condensing
Storage Temperature	-20 °C to +70 °C (-4 °F to +158 °F)
Storage Humidity	10%–90%, non-condensing

Structure

Casing Material	SGCC
Product Dimensions	119 mm × 180 mm × 30 mm (4.69" × 7.09" × 1.18")
Packaging Dimensions	254 mm × 196 mm × 77mm (10.00" × 7.72" × 3.03")
Net Weight	0.75 kg (1.65 lb)
Gross Weight	0.95 kg (2.09 lb)
Casing Color	Black
Accessory	2 × antennas, 2 × M3 screws, 1 × desiccant, 1 × user's manual

Certifications

Certifications	CE, Energy Star
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Ordering Information

Type	Model	Description
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Dimensions (mm[inch])

