

WBP-61H1 series

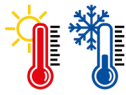
High-Performance Intel 12/13th Gen Core Processors
Fanless Industrial Computer

Features

- Intel® 12/13th Gen Core / Pentium/ Celeron Desktop CPU, TDP 35W, LGA1700
- Intel H610 PCH
- 1x GbE & 1x 2.5GbE
- 2 Display outputs HDMI, DP++
- Rich USB, serial extension interfaces and PCIe, mini PCIe, M.2 extension slots



35W TDP Desktop CPU



Operating Temperature
-20~60°C



1x 2.5GbE and 1x 1GbE



Fanless



WBP-61H1



WBP-61H1-02

Specifications

Model	WBP-61H1	WBP-61H1-02
Material Chassis	Radiator: Aluminum alloy, Box: SGCC	
Colour	Grey / Silver	
Dimensions (W x H x D)	268mm(L) * 194.2mm(W) * 67.7mm(H)	268mm(L) * 194.2mm(W) * 118.5mm(H)
Power Adapter	1x Optional AC/DC 12V/4A, 48W	
Power Input	9~36VDC, P ≤ 240W ; 18~60VDC, P ≤ 400W	
Processors	Intel® 12/13th Generation Core / Pentium/ Celeron LGA1700 Desktop CPU ; 35W TDP	
Chipset	Intel H610 PCH	
Memory	2x Non-ECC SO-DIMM Slot, Dual Channel DDR4 up to 3200MHz ; 64GB, Single Max. 32GB	
Storage	1x SATA3.0, quick release 2.5-inch hard drive bay (T ≤ 7mm) 1x SATA3.0, Internal 2.5" hard disk bays (T ≤ 9mm, Optional)Support RAID 0, 1 1x M.2 Key-M (PCIe x4 Gen 4 + SATA3.0, NVMe/SATA SSD Auto Detect, 2242/2260/2280)	
BIOS	AMI 256 Mbit SPI	
Display	Intel® UHD Graphics 1x HDMI1.4b: max resolution up to 4096*2160 @ 30Hz 1x DP1.4a: max resolution up to 4096*2160 @ 60Hz	
Ethernet Controller	1x Intel i219-LM 1GbE LAN Chip (LAN1, 10/100/1000 Mbps, RJ45) 1x Intel i225-V 2.5GbE LAN Chip (LAN2, 10/100/1000/2500 Mbps, RJ45)	
Serial	4 x COM Ports 2x RS232/485/422 (COM1/2, DB9/M, Full Lanes, BIOS Switch) 2x RS232 (COM3/4, DB9/M, Full Lanes)	
USB	2 * USB3.2 Gen2x1(Type-A, 10Gbps) 2 * USB3.2 Gen1x1(Type-A, 5Gbps) 2 * USB2.0 (Type-A)	
AUDIO	1x Audio_out & Mic_in	
TPM	fTPM 2.0	
GPIO	16 bits DIO (8xDI and 8xDO, wafer) Optional	
Expansion Slot	N/A	① : 1 * PCIe x16 (x16) + 1 * PCIe x4 (x4) ② 2 * PCI PS: ①、② One out of three, Expansion card length ≤ 185mm, TDP ≤ 130W 1x aDoor Bus (Optional MXM 4 * LAN/4 * POE/6 * COM/16 * GPIO expansion card) 2x Mini PCIe (PCIe x1 Gen 3 + USB 2.0, with 2 * SIM Card) / 1x M.2 Key-E (PCIe x1 Gen 3 + USB 2.0, 2230)
Watchdog Timer	Software Programmable Supports 1~255 sec. System Reset	
Environment	Operating Temperature: -20~60°C (Industrial SSD) Storage Temperature : -30~80° C (-22~176° F) Operating Humidity : 10%~90%@40° C, non-condensing	
OS	Win10 · Win11 · Linux(Support by request)	
EMC	CE, FCC · ROHS compliance	

Ordering Information

Model name	Description
WBP-61H1	Industrial Fanless BOX-PC with Intel® Core™ i processor, 2xLAN, 4xCOM, 8x USB, 1x DP, 1x HDMI,
WBP-61H1-02	2 Expansion Slots Industrial Fanless BOX-PC with Intel® Core™ i processor, 2xLAN, 4xCOM, 8x USB, 1x DP, 1x HDMI

Optional Accessories

Item	Description
	If you need to buy processors, HDD/SSD, power Adapter, system memory and other accessories, please contact us.