

WBP-67Q1 series

Wise-tech

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 Q670 PCH
- 1x GbE & 1x 2.5GbE
- 3 Display outputs HDMI, DP++ and internal LVDS, up to 4K@60Hz resolution
- Rich USB, serial extension interfaces and PCIe, mini PCIe, M.2 extension slots



WBP-67Q1-04 SKU



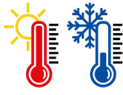
WBP-67Q1 SKU



WBP-67Q1-02 SKU



35W TDP Desktop CPU



Operating Temperature
-20~60°C



1x 2.5GbE and 1x 1GbE



Specifications

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)	268mm(L) * 194.2mm(W) * 159.5mm(H)
Power Adapter	1 x 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 Q670 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	2x USB3.2 Gen2x1 (Type-A, 10Gbps) 6x USB3.2 Gen 1x1 (Type-A, 5Gbps)		
AUDIO	1 x 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 : 1 * PCIe x16 + 1 * PCI③ : 2 * PCI PS: ①、②、③ One out of three, Expansion card length ≤ 185mm, TDP ≤ 130W	① : 2 * PCIe x16 (x8/x8) + 2 * PCI ② : 2 * PCIe x16 (x8/x8) + 1 * PCIe x4 (x4) PS: ①、② One out of two, Expansion card length ≤ 185mm, TDP ≤ 130W
Watchdog Timer	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)		
Environment	Software Programmable Supports 1~255 sec. System Reset 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-67Q1	Industrial Fanless BOX-PC with Intel® Core™ i processor, 2xLAN, 4xCOM, 8x USB, 1x DP, 1x HDMI,
WBP-67Q1-02	2 Expansion Slots Industrial Fanless BOX-PC with Intel® Core™ i processor, 2xLAN, 4xCOM, 8x USB, 1x DP, 1x HDMI
WBP-67Q1-04	4 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 Adaptec, system memory and other accessories, please contact us.