# 1264-10

## Product Features

The 1264-10 is an ultra-compact, low-power industrial motherboard built on the Intel N-series processor platform. Despite its extremely small footprint, it integrates dual 2.5GbE high-speed networking, industrial-grade reliability, and a unique expansion interface, making it ideal for IoT gateways, edge computing nodes, industrial control systems, and network security applications deployed in space-constrained and harsh environments.

## Application Scenarios

Edge Computing

Industrial Automation

Embedded Terminal

Network Communication

| | | |
|---|---|---|
| Processor | Product Collection | Intel Processor N-series |
| | Sockets Supported | FCBGA1264 |
| Memory specifications | Memory type | DDR5 SO-DIMM |
| | Maximum capacity | 16GB |
| | Maximum frequency | 4800 MT/s |
| Storage specifications | M.2 | 1*M.2 Key-B+M 2280 (PCIe x1/SATA 3.0) |
| Network features | Ethernet | 2*2.5GbE |
| | Controller | 2*Intel I226V |
| Extension interface | PCI-E | 1*PCI-E x6-IO (Non-standard definition) |
| | M.2 Key-E | 1*M.2 Key-E 2230 (CNVi) |
| Display functions | Port | 1*DP/1*HD/1*eDP (Custom order) |
| | Chip | Intel UHD Graphics |
| Backplane I/O | USB | 2*USB-A 3.2/1*USB-A 2.0 |
| | Display | 1*DP/1*HD |
| | Ethernet | 2*RJ45 |
| | Power supply | 1*Jack DC 5.5/2.5mm |
| Onboard I/O | Fan | 1*CPU_FAN, 1*SFP_FAN |
| | Pins | 2*F_USB 2.0 |
| | | 1*J_COM |
| | | 1*J_GPIO |
| Power supply mode | DC | 12V~24V |
| Motherboard size | Specification | 110 mm*100 mm |
| Work Environment | Temperature | Working: -20℃~60℃; Storage: -20℃~70℃; |
| | Humidity | 5%~90% (Relative humidity, no condensation) |

# H10-1264

## Product Features

The H10-1264 is an ultra-compact fanless edge networking device powered by Intel N-series low-power processors. Within its small chassis, it integrates dual 2.5GbE Ethernet ports, optional SFP fiber expansion, and flexible interface options to support high-speed connectivity and customization. Designed for IoT gateways, edge computing, network security, and industrial control applications, it delivers reliable performance, silent operation, and efficient power consumption.

## Application Scenarios

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Embedded Terminal

Network Communication

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|---|---|---|
| Processor | Product Collection | Intel Processor N-series |
| | Sockets Supported | FCBGA1264 |
| Memory specifications | Memory type | DDR5 SO-DIMM |
| | Maximum capacity | 16GB |
| | Maximum frequency | 4800 MT/s |
| Storage specifications | M.2 | 1*M.2 Key-B+M 2280 (PCIe x1/SATA 3.0) |

| | | | |
|---|---|---|---|
| Interface | Front Panel | Button | 1*Power On or Restart |
| | | Power supply | 1*Jack DC 5.5/2.5mm |
| | | Display | 1*HD/1*DP |
| | | Ethernet | 2*RJ45 |
| | | USB | 2*USB-A 3.2/1*USB-A 2.0 |
| | Back Panel | Expanded | None/2*SFP/4*SFP (Optional) |

| | | |
|---|---|---|
| Extension interface | PCI-E | 1*PCI-E x6-IO (Non-standard definition) |
| | M.2 Key-E | 1*M.2 Key-E 2230 (CNVi) |
| Cooling Method | | Passive Cooling, Fanless (Need air flow) |
| System Specifications | Chassis Size | 128*156*60 (mm) |
| | Weight | Equipment Weight 1.05KG; Package Weight 1.60KG (including accessories) |
| Power Mode | DC | 19V 2.1A or Higher |
| Work Environment | Temperature | 0~50℃ |
| | Humidity | 5%~95% (Relative humidity, no condensation) |