



1338-NAS-17

Product Features

The BKHD-1338NAS-17 is a compact NAS-focused industrial motherboard powered by the Intel Celeron N Series platform. It features 6x SATA ports, 1x M.2 SSD slot, and 4x 2.5GbE LAN ports, making it ideal for NAS, private cloud, file servers, edge storage, and multi-LAN deployments. It supports up to 16GB DDR4 SO-DIMM memory and provides DP/HD display, USB 3.0/2.0, COM, audio, and fan headers. With a -20°C to 55°C operating range, it delivers stable, industrial-grade storage performance.

Application Scenarios



Home Network Storage



Media File Server



Video Surveillance Storage



Virtualization Platform

| | | |
|------------------------|--------------------|------------------------------------------|
| Processor | Product Collection | Intel Celeron Processor N Series |
| | Sockets Supported | FCBGA1338 |
| Memory specifications | Memory Type | DDR4 SO-DIMM |
| | Maximum Capacity | 16GB |
| | Maximum Frequency | 2933 MHz |
| Storage specifications | SATA | 6*SATA 6Gb/s |
| | SATA Controller | JMB585 (PCIe Gen3 x2 to x5 SATA 6Gb/s) |
| | M.2 | 1*M.2 Key-M 2280 SSD |
| Network features | Ethernet | 4*2.5GbE |
| | Controller | 4*Intel I226V |
| Extension interface | PCIe | 1*PCIe x4 (PCIe 3.0 x2 signal) |
| Display functions | Ports | 1*HD/1*DP |
| | Chip | Intel UHD Graphics |
| Backplane I/O | USB | 2*USB-A 3.0, 2*USB-A 2.0 |
| | Ethernet | 4*RJ45 |
| | Audio | 1*3.5mm Audio Jack |
| | Button | 1*Clear CMOS button |
| Onboard I/O | SATA | 6*SATA Data connector |
| | Fan | 1*CPU_FAN, 2*SYS_FAN |
| | | 1*F_PANEL |
| | | 1*J_COM |
| Pins | | 1*F_USB 2.0 (can expand 2x USB2.0 ports) |
| | | 1*J_LAN |
| Power supply | Power | 1*ATX 24-pin, 1*ATX 4-pin |

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|------------------|---------------|---------------------------------------------|
| mode | Connector | |
| Motherboard size | Specification | 170*170 (mm) |
| Work | Temperature | -20~55°C (Operating); |
| | | -20°C~60°C (Storage) |
| Environment | Humidity | 5%~95% (Relative humidity, no condensation) |



1338-6-BAY NAS

Product Features

The 1338-6-Bay NAS is a compact network storage system powered by the Intel Celeron N Series platform. It features 6 hot-swap HDD bays and 4× RJ45 LAN ports, making it ideal for private cloud, file sharing, backup, surveillance storage, and edge applications. It supports up to 16GB DDR4 SO-DIMM. With USB 3.0/2.0, DP/HD outputs, audio, PCIe expansion, active cooling, and AC power in a compact chassis, it ensures stable 24/7 storage performance.

Application Scenarios



Home Network Storage



Media File Server



Video Surveillance Storage



Virtualization Platform

| | | | |
|------------------------|-----------------------------------------|-------------------------------------------------------------------------------|--------------------------|
| Processor | Product Collection | Intel Celeron Processor N Series | |
| | Sockets Supported | FCBGA1338 | |
| Memory specifications | Memory Type | DDR4 SO-DIMM | |
| | Maximum Capacity | 16GB | |
| | Maximum Frequency | 2933 MHz | |
| Storage specifications | SATA | 6*SATA 6Gb/s | |
| | SATA Controller | JMB585 (PCIe Gen3 x2 to x5 SATA 6Gb/s) | |
| | M.2 | 1*M.2 Key-M 2280 SSD | |
| Interface | Front Panel | Button 1*Power On or Restart Storage 6*Hot Swap HDD Bay USB 2*USB-A 2.0 | |
| | Back Panel | Ethernet | 4*RJ45 |
| | | USB | 2*USB-A 3.0, 2*USB-A 2.0 |
| | | Display | 1*HD/1*DP |
| | Audio | 3.5mm Jack Audio | |
| Extension slots | PCIe | 1*PCIe x4 (PCIe 3.0 x2 signal) | |
| Cooling Method | Active Cooling, 1*CPU Fan/2*Chassis Fan | | |
| System Specifications | Chassis Size | 250*260*210 (mm) | |
| | Weight | Equipment Weight 5.1KG; Package Weight 6.3KG (including accessories) | |
| Power Mode | AC, 100V~240V AC 50/60Hz | | |
| Work Environment | Temperature | 0~50℃ | |
| | Humidity | 5%~95% (Relative humidity, no condensation) | |