

# NCI-200

Fanless x86 Desktop Network Appliance with Wide Operating Temperature



## ■ Features

- Intel® Atom™ processor C2308/2508 (Codenamed "Rangeley")
- Onboard 4 x GbE RJ45, 2 x GbE SFP (SKU A)
- Support Intel QuickAssist crypto acceleration
- Wide operating temperature -20~55°C
- Support 2 Pairs of Gen.3 Bypass
- 1.5KV magnetic isolation protection
- 4KV ESD Protection

## ■ Specifications

### Processor System

|             |  |
|-------------|--|
| CPU         | Intel® Atom™ processor C2308 or C2508 (Codenamed "Rangeley") |
| Frequency   | 1.25 GHz   |
| Core Number | Dual or Quad-core  |
| BIOS        | AMI SPI Flash BIOS   |
| Chipset     | SoC  |

### Memory

|               |  |
|---------------|--|
| Technology    | Single Channel DDR3 1333 MHz, 1.5 V, ECC |
| Max. Capacity | 8 GB                                     |
| Socket        | 1 x 204-pin SODIMM                       |

### Ethernet

|                               |                                  |
|-------------------------------|----------------------------------|
| Controller                    | 4 x Intel 1 GbE with Marvell PHY |
| Speed                         | 10/100/1000 Mbps                 |
| Interface                     | 4 x RJ-45, 2 x SFP (SKU A)       |
| Bypass                        | 2 pairs Gen.3                    |
| Security Acceleration         | QuickAssist On CPU               |
| Magnetic Isolation Protection | 1.5 KV Built-in                  |
| ESD Protection                | 4KV for all signals contacted    |

### Storage

|              |                                      |
|--------------|--------------------------------------|
| SATA         | SATA 2.0                             |
| Installation | Optional 2.5" SSD bay (SSD excluded) |
| mSATA        | 1                                    |

### I/O

|                 |  |
|-----------------|--|
| Reset Button    | 1  |
| Serial          | 1 x DB-9 for serial management + 1 optional DB-9 |
| USB             | 2 x type A                                       |
| Management port | N/A  |

### Expansion

|      |                    |
|------|--------------------|
| PCIe | PCIe x1 (Internal) |
| PCI  | N/A                |

### Cooling

|           |   |
|-----------|---|
| Processor | Passive CPU heatsink                    |
| System    | Fanless design with corrugated aluminum |

### Environment

|                       |   |
|-----------------------|---|
| Operating Temperature | -20 ~ 55°C                                    |
| Storage Temperature   | -40 ~ 70°C                                    |
| Relative Humidity     | 5~90%, non-condensing / 5~95%, non-condensing |

### Miscellaneous

|                              |     |
|------------------------------|-----|
| LCD Module                   | N/A |
| Watchdog                     | Yes |
| Internal RTC with Li Battery | Yes |

### Mechanical

|                       |                                    |
|-----------------------|------------------------------------|
| Fanless               | Yes                                |
| Dimension (W x H x D) | 230 x 65 x 170 mm                  |
| Weight                | 2 kg                               |
| Mounting              | Optional Rack mounting kit support |

### Power

|              |   |
|--------------|---|
| Type / Watts | Phoenix contact 4-pin connector with lock |
| Input        | 12~48 Vdc (adaptor excluded)              |

### Driver Support

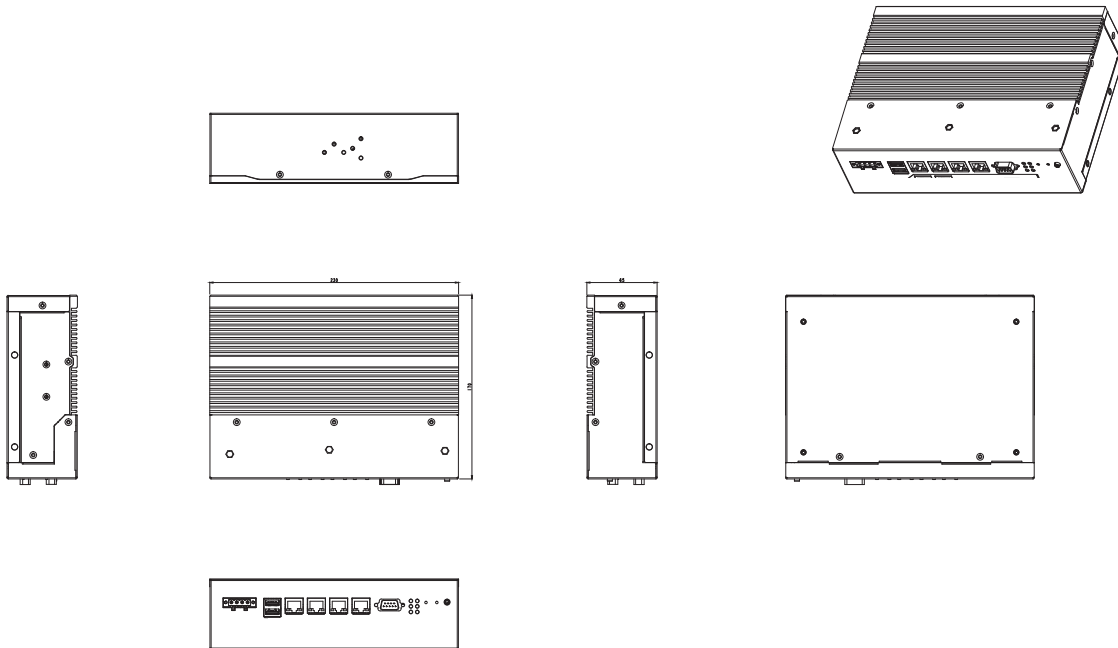
|                   |                           |
|-------------------|---------------------------|
| Microsoft Windows | N/A                       |
| Linux             | Linux Kernel 2.6 or above |

## ■ Product I/O View



- A** On/Off Switch
- B** DC Jack with Lock
- C** Serial Port
- D** DIN Rail Mount Hole
- E** Status LEDs
- F** USB Ports x 2
- G** GbE LAN Ports x 4
- H** Reset Button

## ■ Dimensions 230 x 65 x 170 mm



## ■ Ordering Information

- NCI-200A** Fanless x86 Desktop Network Appliance with Wide Operating Temperature and Intel® Atom™ processor C2508 (Code-named "Rangeley"), 4 x GbE LAN ports, 2 x SFP ports with Gen.3 Bypass
- NCI-200B** Fanless x86 Desktop Network Appliance with Wide Operating Temperature and Intel® Atom™ processor C2308 (Code-named "Rangeley"), 4 x GbE LAN ports with Gen.3 Bypass
- Power Adaptor** Power adaptor Kit 24V 90W Phoenix Head
- SSD kit** 2.5" SSD bay

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