Advanced Gateway DIN-Rail Fanless System
Ultra-Compact Fanless System with Intel® Atom™ x7/x5, Pentium® & Celeron® Processors

Features
- Supports Intel® Atom™ x7-E3950/x5-E3930 & Pentium® N4200 / Celeron® N3350 Series processors
- GPIO 4-in & 4-out with isolation function
- Over/Under/Reverse voltage protection
- Wide-range operating temperature from -40°C to 70°C
- 9V~36V DC wide-range power input
- Rugged and fanless design
- DIN-rail mount & Wall mount compatibility

Specifications

- System Mainboard: i8801
- CPU Type: Intel® Atom™ x7-E3950/x5-E3930 & Pentium® N4200/ Celeron® N3350 Series processors
- System Speed: Up to 2.5GHz
- Memory: 1x 4GB DDR3L 1666 SO-DIMM, Max. 8GB
- Construction: Aluminium & Steel
- Chassis Color: Silver (Aluminium)
- Rear Panel External I/O:
  - 1x DVI-I + 1x DisplayPort connector
  - 4x USB 3.0 ports, 1x USB 2.0 port
  - 2x RJ45 Gigabit Ethernet port
  - 3x LED indicators (HDD, WLAN, WWAN)
  - 1x power button with Green LED
  - 1x 3-pins DC-in terminal block type for 9V-36V
  - 1x Antenna hole for WLAN module
  - 2x RS232 ports for COM#3/COM#4
  - 4-in & 4-out GPIO with isolation
- Left Panel External I/O:
  - 2x RS232/422/485 ports for COM#1/COM#2
  - 1x Antenna hole for WLAN module
  - 1x Speaker-out connector
- Right Panel External I/O:
  - 1x SIM card slot
- Expansion slots:
  - 1x full size Mini PCI-E socket (USB 2.0 + PCI-E + SATA)
  - 1x 2230 M.2 E-Key socket for WLAN & BT (USB 2.0 + PCI-E)
  - 1x 3042 M.2 B-Key socket for WWAN & SSD (USB 2.0 + SATA)
- Storage:
  - 1x mSATA socket (Mini-PCI-E)
  - 1x 2242 M.2 B-Key socket for mSATA SSD
- Mounting:
  - DIN-rail mounting (DIN-rail mount kit included)
  - Desktop or wall mounting (wall mount kit included)
- Weight: 1kg
- Dimensions: 160mm (W) x 110mm (D) x 44mm (H)
- Operating Temperature:
  - -40°C to 70°C (-40°F~158°F) (For E-series CPU)
  - 20°C to 60°C (-4°F~140°F) (For N-series CPU)
- Storage Temperature:
  - -40°C ~ 85°C (-40°F~185°F)
- Relative Humidity:
  - 5~90% @ 45°C, (non-condensing)
- Vibration:
  - Operating: 2.0 grms / 5~500Hz / random operation (with IEC 60068-2-64)
  - Non-Operating: 3.0 grms / 5~500Hz / random operation (with IEC 60068-2-64)
- Shock:
  - Operating: 30G/11 ms Duration (with MIL-STD-810G)
  - Non-operating: 40G/11 ms Duration (with MIL-STD-810G)
- Certification:
  - CE / LVD / FCC Class B

Ordering Information

- AGS102-I50: Fanless Din-rail system w/ Intel® Atom™ processor x7-E3950, 4x COM, 1x 4GB DDR3L memory industrial-grade, 1x 64GB MLC industrial-grade mSATA SSD, w/o power adaptor
- AGS102-130: Fanless Din-rail system w/ Intel® Atom™ processor x5-E3930, 4x COM, 1x 4GB DDR3L memory industrial-grade, 1x 64GB MLC industrial-grade mSATA SSD, w/o power adaptor
- AGS102-420 (MOQ): Fanless Din-rail system w/ Intel® Pentium® processor N4200, 4x COM, 1x 4GB DDR3L memory industrial-grade, 1x 64GB MLC industrial-grade mSATA SSD, w/o power adaptor
- AGS102-335: Fanless Din-rail system w/ Intel® Celeron® processor N3350, 4x COM, 1x 4GB DDR3L memory industrial-grade, 1x 64GB MLC industrial-grade mSATA SSD, w/o power adaptor
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Intel® Entry Processor Ultra Low Power Reference Table

<table>
<thead>
<tr>
<th>Processor Number</th>
<th>Intel® Pentium® Processors - 14 nm Apollo-Lake SoC Platform</th>
<th>Intel® Celeron® Processors - 14 nm Apollo-Lake SoC Platform</th>
<th>Intel® Atom™ Processors - 14nm Apollo-Lake-I SoC Platform</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>N4200</td>
<td>N3350</td>
<td>x7-E3950</td>
</tr>
<tr>
<td>Base Freq (GHz)</td>
<td>1.1</td>
<td>1.1</td>
<td>1.6</td>
</tr>
<tr>
<td>Intel® Turbo Boost Technology 2.0 (GHz)</td>
<td>2.5</td>
<td>2.4</td>
<td>2.0</td>
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<tr>
<td>Last Level Cache</td>
<td>2M</td>
<td>2M</td>
<td>2M</td>
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<tr>
<td>Cores/Threads</td>
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<td>2/2</td>
<td>4/4</td>
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<tr>
<td>Memory Speed (DDR3L)</td>
<td>1600</td>
<td>1600</td>
<td>18bb</td>
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<tr>
<td>TDP</td>
<td>6W</td>
<td>6W</td>
<td>12W</td>
</tr>
</tbody>
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DIN-rail Mounting

Dimensions and Drawing

Remarks: 1. Specifications are subject to change without prior notice. 2. ODM/OEM is available. 3. For user’s manual & datasheet download, visit www.ibase.com.tw.