**CPU**
- Socket-479 based support Intel® Pentium-M® / Celeron-M® up to 400MHz FSB / Onboard Celeron-M 600MHz

**System Chipset**
- Intel® 852GM + ICH-4

**System Memory**
- DDR266 SDRAM socket support up to 1GB

**Display**
- Integrated i852GM
- Support dual display, dual view
- DB-15 VGA connector
- DF14-30F dual channel LVDS connector
- Optional DVI interface
- 10/100 Mbps Ethernet
- Optional 100Base-TX interface
- Optional GbE Ethernet interface

**Ethernet**
- 2 x 10/100 Mbps intel 82562ET/82551ER fast Ethernet

**SSD**
- Support Compact Flash Type II Socket (rear side)

**I/O**
- 1 x RS-232 serial port
- 1 x RS-232/422/485 serial port with Auto-Direction function
- 1 x LPT by pin-header
- 1 x iDAA by pin-header
- 5 x USB 2.0 (4 by pin header, 1 by connector)
- 1 x FDD
- 2 x ATA-100 IDE Channel
- 1 x PS/2 connector for keyboard/mouse

**Audio**
- AC '97 compliant Audio codec

**WDT**
- Software programmable supports 1 ~ 255 seconds system reset

**Hardware monitoring**
- Provides CPU Vcore, Voc; CPU/System fan speed and temperature detecting function

**Operating Temp**
- 0~60°C

**Relative Humidity**
- 5~95%, non-condensing

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**IEI Option**

- **CB-USB03** Dual ports USB cable with bracket and 2.0mm pitch connector
- **CF-518** High performance pentium-M CPU cooler

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**Feature**
- Support Intel Pentium-M / Celeron-M up to FSB 400MHz
- Intel 852GM integrated graphic engine support dual display function
- DDR266 SDRAM memory support up to 1GB
- Dual LAN, USB2.0, Audio Integrated

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**Tech Talk**

**Intel Pentium M / Celeron M Introduction**

The Intel® Pentium® M/ Celeron® M processor utilizes a new microarchitecture to meet the current and future demands of high-performance, low-power embedded computing, making it ideal for communications, transaction terminal, interactive client, and industrial automation applications. While incorporating advanced processor technology, it remains software-compatible with previous members of the Intel® microprocessor family.

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**Intel Pentium M / Celeron M Specification**

<table>
<thead>
<tr>
<th>Product Number</th>
<th>Core speed (GHz)</th>
<th>FSB (MHz)</th>
<th>L2 Cache</th>
<th>Thermal</th>
<th>VID</th>
<th>Package</th>
</tr>
</thead>
<tbody>
<tr>
<td>738</td>
<td>1.4</td>
<td>400</td>
<td>1MB</td>
<td>10W</td>
<td>1.116V</td>
<td>µFC-BGA479</td>
</tr>
<tr>
<td>745</td>
<td>1.8</td>
<td>400</td>
<td>2MB</td>
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<tr>
<td>320</td>
<td>1.3</td>
<td>400</td>
<td>512KB</td>
<td>24.5W</td>
<td>1.356V</td>
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</tr>
</tbody>
</table>

**90nm Process Technology (Pentium M)**
- 320 1.3 400 512KB 24.5W 1.356V µFC-BGA479
- 320 1.3 400 512KB 24.5W 1.356V µFC-PGA478
- 745 1.8 400 2MB 21W 1.276V µFC-BGA479
- 755 1.8 400 2MB 21W 1.276V µFC-BGA479
- 738 1.4 400 2MB 10W 1.116V µFC-BGA479

**130nm Process Technology (Celeron M)**
- 320 1.3 400 512KB 24.5W 1.356V µFC-PGA478
- 320 1.3 400 512KB 24.5W 1.356V µFC-PGA478
- 745 1.8 400 2MB 21W 1.276V µFC-BGA479
- 755 1.8 400 2MB 21W 1.276V µFC-BGA479
- 738 1.4 400 2MB 10W 1.116V µFC-BGA479

**Ordering Information**

- **JUKI-6770E-R10** PCISA Intel Pentium-M/Celeron-M CPU Card with LCD/CRT VGA, Dual LAN, USB2.0 and Audio
- **JUKI-6770E-600-R10** PCISA Intel Celeron-M 600MHz CPU Card with LCD/CRT VGA, LAN, USB2.0 and Audio

For GbE, DVI, Pentium-M introduction LV Pentium-M 1.1GHz CPU, please contact supplier.