First Intel® Pentium® M on classic PC/104 size
» Small: classic PC/104 size (90x96mm)
» Fast: up to 1,4GHz Pentium® M
» 2xCOM, 2x USB 2.0, LAN, CRT/TFT
» PC/104-Plus for ISA and PCI add-ons
» Low cost LVDS TFT interface
» Fast Ethernet 10/100 Mbit
**MOPS-PM**

First Intel® Pentium® M on classic PC/104 size

The MOPS-PM is an „all in one“ Intel® Pentium® M based PC/104 plus with consistent 90x96 mm classic PC/104-Plus size. Despite the very compact 90x96 mm size format it's possible to integrate the ISA- & PCI-bus and a fully featured set of interfaces. Beside all standard interfaces (2xCOM Ports, LAN, CRT, LPT, IDE, 2x USB 2.0) a high speed on chip video controller (Intel® Extreme Graphics 2 engine) is available. It can operate CRT monitors and LCD flat panel displays in parallel even with different screen content (Dual Head Graphics). Flatpanel displays with highest resolutions can be connected. Up to 64 MByte of video memory (UMA) are already on chip at the graphic controller. JILI30 allows extremely low cost LVDS TFT panel adaptation. An adapter even enables connection to TTL panels.

### Technical Information

| Processor | Intel® Pentium® M (Dothan), 1.4GHz, 2MB L2  
|-----------| Intel® ULV Celeron® M (Dothan), 1.0GHz, 512KB L2  
|            | Intel® Mobile Celeron® M processor 600MHz, 512KB L2  
| Chipset    | Intel® 855GM/852GME, ICH4  
| Memory     | 1 x DDR-RAM-SODIMM socket up to 1GByte  
| Graphic    | Intel® Extreme Graphics 2 on-chip engine with shared 2x32MByte VRAM UMA  
| I/O Features | 1x CRT Interface, 2x RS 232C Serial Interfaces  
|            | 1x LPT (Parallel Port, flatfoil, on bottom side), PS/2 Mouse & Keyboard Controller  
| Hard Disk  | 1x EIDE Harddisk Interface, (44pin, 2mm)  
| USB        | 2x USB 2.0, with Legacy support  
| Ethernet   | 10/100 BaseT Ethernet (Intel®)  
| Expansion Interface | PC/104 Bus Interfaces (AT Bus, XT Bus, Power), PC/104-Plus Bus Interface (for ISA and PCI add-ons)  
| Form Factor | 90 x 96 mm, PC/104-Plus Classic size  
| Common Features | LANBoot (PXE), DarkBoot, Watchdog, Real Time Clock  
| Power Supply | 5V only  
| Temperature (*) | Operating: 0° to 60° C (with appropriate airflow), Storage: -10° to 85° C  
| Max. Humidity | Operating: 10% to 90%, Storage: 5% to 95% (non condensing)  

(*) Ask about extended temperature ranges

### Ordering Information

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<tr>
<td>MOPS-PM</td>
<td>01060-0000-06-3</td>
<td>Intel® Processor Celeron® M 600MHz 512KB L2 cache (Banias); ISA &amp; PCI</td>
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<tr>
<td>MOPS-PM</td>
<td>01060-0000-10-2</td>
<td>Intel® Processor Celeron® M 1GHz Hz 512KB L2 cache (Dothan); ISA &amp; PCI</td>
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<td>MOPS-PM</td>
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<td>Intel® Processor Pentium® M 1.4 GHz 2MB L2 cache (Dothan), ISA &amp; PCI</td>
</tr>
<tr>
<td>MOPS-PM-Coolerkit</td>
<td>01060-0000-99-0C01</td>
<td>CoolerSet MOPS-PM active incl. fan</td>
</tr>
</tbody>
</table>

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