

## Intel Pentium BXM80530B100GD processor 1 GHz 0.512 MB L2

**Brand :** Intel

**Product family:** Pentium

**Product code:**  
RH80530GZ001512

**Product name :**  
BXM80530B100GD

Mobile Intel® Pentium® III Processor - M 1.00 GHz, 512K Cache, 133 MHz FSB

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A bus is a subsystem that transfers data between computer components or between computers. Types include front-side bus (FSB), which carries data between the CPU and memory controller hub; direct media interface (DMI), which is a point-to-point interconnection between an Intel integrated memory controller and an Intel I/O controller hub on the computer's motherboard; and Quick Path Interconnect (QPI), which is a point-to-point interconnect between the CPU and the integrated memory controller.

Thermal Design Power (TDP) represents the average power, in watts, the processor dissipates when operating at Base Frequency with all cores active under an Intel-defined, high-complexity workload. Refer to Datasheet for thermal solution requirements.



| Processor                       |  | Features                               |                                |
|---------------------------------|--|--|--------------------------------|
| Processor manufacturer *        | Intel                                  | Idle States                            | ✗                              |
| Processor base frequency *      | 1 GHz                                  | Market segment                         | Mobile                         |
| Processor family *              | Intel® Pentium® III                    | Embedded options available             | ✓                              |
| Processor cores *               | 1                                      | <b>Processor special features</b>      |                                |
| Processor socket *              | Socket 478                             | Intel® Turbo Boost Technology          | ✗                              |
| Component for                   | Netbook/nettop                         | Enhanced Intel SpeedStep Technology    | ✓                              |
| Processor lithography *         | 130 nm                                 | Intel Trusted Execution Technology     | ✗                              |
| Processor series                | Mobile Intel Pentium III M 133 MHz FSB | Intel Demand Based Switching           | ✗                              |
| Processor threads               | 1                                      | Intel 64                               | ✗                              |
| Processor operating modes *     | 32-bit                                 | Intel Virtualization Technology (VT-x) | ✗                              |
| Processor cache                 | 0.512 MB                               | <b>Operational conditions</b>          |                                |
| Processor cache type            | L2                                     | Tjunction                              | 100 °C                         |
| Processor front side bus        | 133 MHz                                | <b>Technical details</b>               |                                |
| Thermal Design Power (TDP)      | 20.5 W                                 | Bus bandwidth                          | 133                            |
| Box *                           | ✗                                      | Bus type units                         | MHz                            |
| Cooler included *               | ✗                                      | Processor cache                        | 512 KB                         |
| VID Voltage Range               | 1.5 - 1.5 V                            | Product type                           | 1                              |
| FSB Parity                      | ✗                                      | Status                                 | Discontinued                   |
| Bus type                        | FSB                                    | Processor brand name                   | Intel Pentium                  |
| CPU multiplier (bus/core ratio) | 7.5                                    | Last change                            | 63903513                       |
| Processor codename              | Tualatin                               | Product family                         | Legacy Intel Pentium Processor |
| Processor ARK ID                | 27379                                  | <b>Packaging data</b>                  |                                |
| <b>Graphics</b>                 |  | Package type                           | Retail box                     |
| On-board graphics card *        | ✗                                      |  |                                |
| <b>Features</b>                 |  |  |                                |
| Execute Disable Bit             | ✗                                      |  |                                |

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