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Understanding [Embedded - Microprocessors](#)

Embedded microprocessors are specialized computing chips designed to perform specific tasks within an embedded system. Unlike general-purpose microprocessors found in personal computers, embedded microprocessors are tailored for dedicated functions within larger systems, offering optimized performance, efficiency, and reliability. These microprocessors are integral to the operation of countless electronic devices, providing the computational power necessary for controlling processes, handling data, and managing communications.

Applications of [Embedded - Microprocessors](#)

Embedded microprocessors are utilized across a broad spectrum of applications, making them indispensable in

Details

Product Status	Obsolete
Core Processor	Pentium G6950
Number of Cores/Bus Width	2 Core, 64-Bit
Speed	2.8GHz
Co-Processors/DSP	-
RAM Controllers	-
Graphics Acceleration	-
Display & Interface Controllers	-
Ethernet	-
SATA	-
USB	-
Voltage - I/O	-
Operating Temperature	-
Security Features	-
Package / Case	1155-LGA Module
Supplier Device Package	1155-LGA (37.5x37.5)
Purchase URL	https://www.e-xfl.com/product-detail/advantech/96mppd-2-8-3m11t

Intel® Pentium® Processor for Desktop G6950

Processor Specifications:

sSpec Number:	SLBMS	Package Type:	LGA1156
CPU Speed:	2.80 GHz	Manufacturing Technology:	32 nm
PCG:	09A	Core Stepping:	C2
Bus Speed:		CPUID String:	20652h
Bus/Core Ratio:	21	Thermal Design Power:	73W
L3 Cache Size:	3 MB	Thermal Specification:	72.6°C
L3 Cache Speed:		VID Voltage Range:	.65V-1.400V

Product Documentation:

http://www.intel.com/design/pentium_dual-core/documentation.htm

Product Order Codes:

Box Order Code: BXC80616G6950
BX80616G6950

OEM Order Code: CM80616004593AE

Supported Features:

- Dual Core
- Enhanced Intel Speedstep® Technology
- Intel® EM64T ¹
- Intel® Virtualization Technology
- Enhanced Halt State (C1E)
- Execute Disable Bit ²

Notes:

This part supports Intel® HD Graphics.

The integrated graphics frequency is 533 MHz.

This part supports DDR3 memory speeds up to 1066 MHz.