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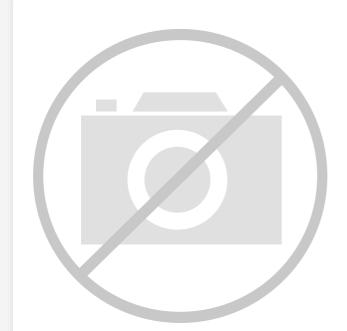
Understanding Embedded - Microprocessors

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	Discontinued at Digi-Key
Core Processor	Pentium G4400
Number of Cores/Bus Width	2 Core, 64-Bit
Speed	3.3GHz
Co-Processors/DSP	-
RAM Controllers	-
Graphics Acceleration	Yes
Display & Interface Controllers	-
Ethernet	-
SATA	-
USB	-
Voltage - I/O	-
Operating Temperature	-
Security Features	-
Package / Case	1151-LGA Module
Supplier Device Package	1151-LGA
Purchase URL	https://www.e-xfl.com/product-detail/advantech/96mpps-3-3-3m11t

96MPPS-3.3-3M11T

Intel® Pentium® Processor G4400 (3M Cache, up to 3.30 GHz)

Features:
- Intel Pentium G4400 Processor
- 2 Cores
- 2MB cache
- 14NM
- 54W
- HD Graphics 510

Specifications

Advantech PN	96MPPS-3.3-3M11T		Direct Media Interface	8 GT/s
Intel Ordering Code	CM8066201927306		Socket Type	FCLGA1151
Intel Launch Date	Q3 / 2015		Max Memory Size	64GB
Code Name	Skylake		Tcase	N/A
SPEC Code	SR2DC		Memory Type	DDR4-1866/2133, DDR3L-1333/1600 @ 1.35V
Processor Number	G4400			
# of Cores	2			
# of Threads	2		Intel® Graphic Processor	HD Graphics 510
Cache	3MB		Graphic Base Frequency	350MHz
Clock Speed	3.3GHz		64-bits Support	YES
FSB (Front Side Bus)	N/A		Package	Tray
Tech. in Nanometer	14nm		Embedded Channel	YES
Max Design Power	54W		RoHs	YES
			Compatible Chipset	H170, H110, Z170, Q170, Q150, B150

Compatible Motherboard

Model Number	Description
	Learn more on PAPS Website