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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 | Xeon E5-2618L v2 |
| Number of Cores/Bus Width | 6 Core, 64-Bit |
| Speed | 2.0GHz |
| Co-Processors/DSP | - |
| RAM Controllers | - |
| Graphics Acceleration | - |
| Display & Interface Controllers | - |
| Ethernet | - |
| SATA | - |
| USB | - |
| Voltage - I/O | - |
| Operating Temperature | - |
| Security Features | - |
| Package / Case | 2011-LGA Module |
| Supplier Device Package | 2011-LGA |
| Purchase URL | https://www.e-xfl.com/product-detail/advantech/96mpxei-2-0-15m20t |

# 96MPXEI-2.0-15M20T

Intel® Xeon® Processor E5-2618L v2 (15M Cache, 2.00 GHz)

**Features:**
- Intel Xeon E5-2618L v2 Processor
- 6 Cores
- 15MB Cache
- Clock Speed 2.0GHz
- QPI Speed 6.4GT/s
- FCLGA2011 Socket Type
- Tech in 22NM
- Max TDP 50W

**RoHS COMPLIANT**

## Specifications

| | | | |
|---|---|---|---|
| Advantech PN | 96MPXEI-2.0-15M20T | Direct Media Interface | N/A |
| Intel Ordering Code | CM8063501521302 | Socket Type | FCLGA2011 |
| Intel Launch Date | Q3 / 2013 | Max Memory Size | 768GB |
| Code Name | Ivy Bridge | Tcase | 93C |
| SPEC Code | SR1B8 | Memory Type | DDR3-800/1066/1333 |
| Processor Number | E5-2618L v2 | Intel® Graphic Processor | NO |
| # of Cores | 6 | Graphic Base Frequency | N/A |
| # of Threads | 12 | 64-bits Support | YES |
| Cache | 15MB | Package | Tray |
| Clock Speed | 2GHz | Embedded Channel | YES |
| QPI Speed | 6.4GT/s | RoHs | YES |
| Tech. in Nanometer | 22nm | Compatible Chipset | 8900CC, 8903CC, 8910CC, 8920CC, 8925, 8926, 8950, 8955 |
| Max TDP | 50W | | |

## Compatible Motherboard

| Model Number | Description |
|---|---|
| | |

**ADVANTECH** | **Peripheral Allied Procurement Services - Global Sourcing Local Supports -**

All product specification and compatible chipset are subject to change without notice.