AMD Ryzen™ Embedded V1780B

Specifications

CPU Base Freq.: 3.35GHz

CPU Max Freq.: 3.6GHz

# of CPU Cores: 4

# of Threads: 8

Total L2 Cache: 2MB

Total L3 Cache: 4MB

TDP: 35-54W

Junction Temp Range: 0-105°C

Security Processor: Yes

System Memory

Memory Type: DDR4

Memory Controller: Dual Channel

Interfaces

Ethernet: 2x 10GbE

USB: 1x USB 2.0, 1x USB 3.1 Gen1, 4x USB 3.1 Gen2

SATA: 2

PCI Lanes

Low Speed Interfaces: AZ
EMMC
eSPI
GPIO
I2C
I2S
LPC
SD
SMBus
SPI
UART

PCI Lanes: 16L Gen3

Foundation

Product Family: AMD Ryzen™ Embedded V-series Processors

Product Line: V-Series V1000

Product Type: SOC

OPN: YE1780C3T4MFB

CPU Type: Zen

Infrastructure: FP5

Last Time Buy: 2028

Recommended for new designs: Yes