Embedded Processor Specifications

Search

SOC (/en/product/

Model:	AMD Ryzen™ Embedded R1606G with Radeon™ Vega 3 Graphics
Product Type:	SOC
Family:	AMD Ryzen™ Embedded R-series Processors
Line:	R-Series R1000 with Radeon™ Vega Graphics
OPN:	YE1606C4T2OFG
TDP:	12-25W
CPU Type:	Zen
CPU Base Freq.:	2.6GHz
CPU Max Freq.:	3.5GHz
# of CPU Cores:	2
# of Threads:	4
GPU Brand:	AMD Radeon™ Vega 3 Graphics
GPU Max:	1200 MHz
GPU CU:	3
# Displays:	3
Display Interfaces:	up to 3x HDMI 2.0b or 3x DP 1.4
Max Resolution (for single display):	4096x2160@60 Hz
HW Video Encode / Decode:	up to 4K @60Hz
Security Processor:	Yes
Total L2 Cache:	1MB
Total L3 Cache:	4MB
System Memory Type:	DDR4@2400 MHz
Memory Controller:	Dual Channel w/ECC
Ethernet:	2x 10GbE
USB:	2x USB 2.0, 4x USB 3.1 Gen2
SATA:	2
Low Speed Interfaces:	AZ, EMMC, eSPI, GPIO, I2C, I2S, LPC, SD, SMBus, SPI, UART
PCI Lanes:	8L Gen3
Junction Temp Range:	0-105°C
Infrastructure:	FP5
Last Time Buy:	2029
Recommended for new designs:	Yes

SOC (/en/product/

PRODUC | MODEL

All | Compare | All

Reset

Model:	AMD Ryzen™ Embedded R1505G with Radeon™ Vega 3 Graphics
Product Type:	SOC
Family:	AMD Ryzen™ Embedded R-series Processors
Line:	R-Series R1000 with Radeon™ Vega Graphics
OPN:	YE1505C4T2OFG
TDP:	12-25W
CPU Type:	Zen
CPU Base Freq.:	2.4GHz
CPU Max Freq.:	3.3GHz
# of CPU Cores:	2
# of Threads:	4
GPU Brand:	AMD Radeon™ Vega 3 Graphics
GPU Max:	1000 MHz
GPU CU:	3
# Displays:	3
Display Interfaces:	up to 3x HDMI 2.0b or 3x DP 1.4
Max Resolution (for single display):	4096x2160@60 Hz
HW Video Encode / Decode:	up to 4K @60Hz
Security Processor:	Yes
Total L2 Cache:	1MB
Total L3 Cache:	4MB
System Memory Type:	DDR4@2400 MHz
Memory Controller:	Dual Channel w/ECC
Ethernet:	2x 10GbE
USB:	2x USB 2.0, 4x USB 3.1 Gen2
SATA:	2
Low Speed Interfaces:	AZ, EMMC, eSPI, GPIO, I2C, I2S, LPC, SD, SMBus, SPI, UART
PCI Lanes:	8L Gen3
Junction Temp Range:	0-105°C
Infrastructure:	FP5
Last Time Buy:	2029
Recommended for new designs:	Yes

SOC – (/en/product/

PRODUC | MODEL

All | Compare | All

Reset

Model:	AMD Ryzen™ Embedded R1305G
Product Type:	SOC
Family:	AMD Ryzen™ Embedded R-series Processors
Line:	R-Series R1000 with Radeon™ Vega Graphics
OPN:	YE1305C9T2OFG
TDP:	8-10W
CPU Type:	Zen
CPU Base Freq.:	1.5GHz
CPU Max Freq.:	2.8GHz
# of CPU Cores:	2
# of Threads:	4
GPU Brand:	AMD Radeon™ Vega 3 Graphics
GPU Max:	1000 MHz
GPU CU:	3
# Displays:	3
Display Interfaces:	up to 3x HDMI 2.0b or 3x DP 1.4
Max Resolution (for single display):	4096x2160
Security Processor:	Yes
Total L2 Cache:	1MB
Total L3 Cache:	4MB
System Memory Type:	DDR4@2400 MHz
Memory Controller:	Dual Channel
Ethernet:	2x 10GbE
USB:	2x USB 2.0, 4x USB 3.1 Gen2
SATA:	2
Low Speed Interfaces:	AZ, EMMC, eSPI, GPIO, I2C, I2S, LPC, SD, SMBus, SPI, UART
PCI Lanes:	8L Gen3
Junction Temp Range:	0-105°C
Infrastructure:	FP5
Last Time Buy:	2030
Recommended for new designs:	Yes

SOC (/en/product/

PRODUC | MODEL

All | Compare | All

Reset

Model:	AMD Ryzen™ Embedded R1102G
Product Type:	SOC
Family:	AMD Ryzen™ Embedded R-series Processors
Line:	R-Series R1000 with Radeon™ Vega Graphics
OPN:	YE1102C7T2OFG
TDP:	6W
CPU Type:	Zen
CPU Base Freq.:	1.2GHz
CPU Max Freq.:	2.6GHz
# of CPU Cores:	2
# of Threads:	2
GPU Brand:	AMD Radeon™ Vega 3 Graphics
GPU Max:	1000 MHz
GPU CU:	3
# Displays:	2
Display Interfaces:	up to 2x HDMI 2.0b or 2x DP 1.4
Max Resolution (for single display):	4096x2160
Security Processor:	Yes
Total L2 Cache:	1MB
Total L3 Cache:	4MB
System Memory Type:	DDR4@2400 MHz
Memory Controller:	Single Channel w/ECC
Ethernet:	2x 10GbE
USB:	2x USB 2.0, 4x USB 3.1 Gen2
SATA:	2
Low Speed Interfaces:	AZ, EMMC, eSPI, GPIO, I2C, I2S, LPC, SD, SMBus, SPI, UART
PCI Lanes:	4L Gen3
Junction Temp Range:	0-105°C
Infrastructure:	FP5
Last Time Buy:	2030
Recommended for new designs:	Yes

Showing 1 to 4 of 4 rows

©2020 Advanced Micro Devices, Inc
Terms and Conditions (/en/corporate/copyright) Privacy (/en/corporate/privacy) Cookie Policy (/en/corporate/cookies) Tradema
Statement on Forced Labor (https://www.amd.com/system/files/documents/statement-human-trafficking-forced-labor.pdf)
Fair and Open Competition (/en/corporate/competition) UK Tax Strategy (https://www.amd.com/system/files/documents/amd-uk-