

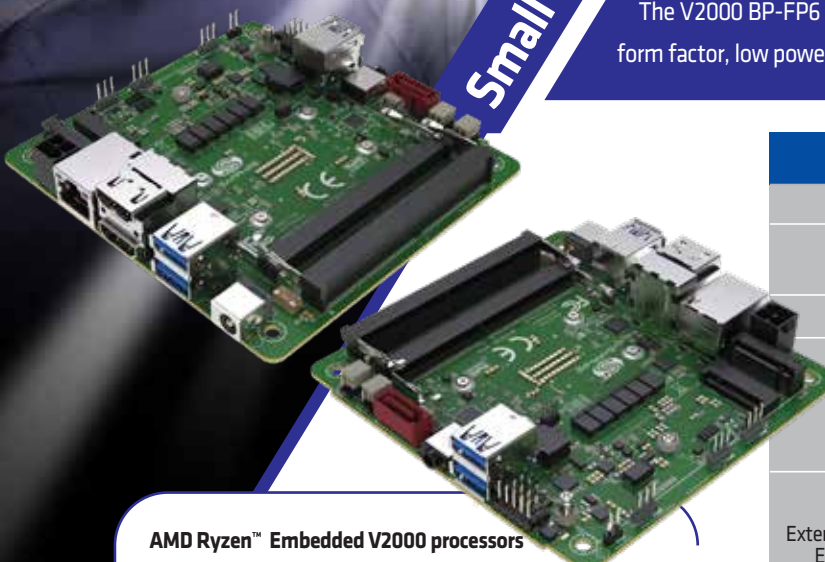
SAPPHIRE V2000 BP-FP6 Embedded 4x4 Platform

Small Form Factor to High Performance

The SAPPHIRE V2000 BP-FP6 is a 4"x4" (NUC) form factor board based on the latest AMD Ryzen™ V2000 FP6 Family APUs which features the industry leading Vega GPU graphics combined with the 6/8-core high-performance "Zen2" CPU for embedded markets.

Two 4K displays can be supported in addition to dual-channel DDR4-3200 memory, and M.2 for WiFi and SSD expansion. The SAPPHIRE V2000 BP-F6 is an ideal solution for very small form factor, high resolution visual embedded applications like electronic gaming machines, medical imaging, interactive digital signage, thin clients, POS terminals and more.

The V2000 BP-FP6 demonstrates SAPPHIRE's ability to deliver cost effective, very small form factor, low power, embedded solutions.



AMD Ryzen™ Embedded V2000 processors

- ▶ "Zen2" Architecture with 7nm FinFET
- ▶ 6/8 CPU cores 12/16 threads
- ▶ AMD Radeon Graphics, up to 7x cores, up to 1.6GHz
- ▶ Dual-channel 64-bit DDR4 Up to 3200 MT/s

Features

- ▶ Two HDMI Ports
- ▶ One Gigabit Ethernet port
- ▶ Four USB 3.1 ports
- ▶ 12-19V DC power input
- ▶ Three USB 2.0 Ports

Expansion Slots

- ▶ M.2 2242/2280 M Key slot (PCIe x4)
- ▶ M.2 2230 E Key slot (PCIe x1)



		SAPPHIRE V2000
Form Factor		4x4
CPU		V2718 @ 15W V2516 @ 15W
TDP		10-25W
Cooler		Active included
System Memory		2 x DDR4 SO-DIMM Dual-channel @ up to 3200 MHz, 64GB max system memory
External I/O Edge Connectors	Displays	2x HDMI 2.1
	Ethernet	1x RJ-45, 1GbE
	Audio	Combo Mic In/Line out Jack (Front)
USB		4 x USB3.1
Internal I/O Headers	COM	1 x (2x5) header-- RS232/422/485 (Jumperless)
	Front Panel	1 x (2x5) header
	USB	1x (2x5) header + 1x (1x4) header - 3 x USB2.0
	SPI bus	1x (2x4) header
	SATA	1x SATA3 (6.0 Gb/s) Plus SATA PWR 1 x 4 pins
GPIO		1 x (1x3) header, 2.00mm pitch
Security	TPM	Infineon SLB9670 TPM2.0 on board
	Chassis	Intrusion Alert
Power		12 ~ 19V DC power jack 2x2 power header in parallel (with protection diode)
Expansion Slots		1x M.2 (Key M, 2242/2280) with PCIe x4 1x M.2 (Key E, 2230) with PCIe x1 and USB2.0 for Wireless
Dimensions		109.6 x 107.3 x 24mm (Without Cooler)