SolidRun Bedrock V3000 SoM Specifications

21-Dec-2022

Feature	Specification	Notes
CPU	AMD Ryzen Embedded V3C48 (8C / 16T 45W) AMD Ryzen Embedded V3C18I (8C / 16T 15W) AMD Ryzen Embedded V3C14 (4C / 8T 15W)	
RAM	Dual channel DDR5-4800 up to 64 GB ECC / non-ECC	2x SODIMM (2x32 bit each)
Storage	NVMe PCIe Gen4 x 4	M.2 key-M 2280
LAN	2x 10 GbE (native, supports fiber / copper)	
PCIe	9 ports, 16 lanes PCIe gen 4	
USB	2x USB4 40 Gbps 2x USB 3.2 gen 2 10 Gb/s 4x USB 2.0	
BIOS	AMI Aptio V	Dual SPI FLASH for redundancy Console redirection
Operating systems	Windows 10/11/IoT, Linux	Other x86 operating systems supported
Power	DC 12V-19V	
Temperature rating ($T_{Junction}$)	-40ºC - 105ºC for V3C18I 0ºC - 105ºC for V3C48, V3C14	
Dimensions	91 mm x 83 mm x 12.7 mm	Including SODIMM modules