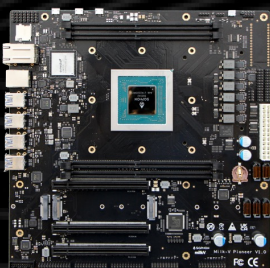Milk-V Pioneer is an innovative Motherboard/Workstation designed for developers, built on the powerful SOPHON SG2042 processor and packaged in a standard mATX form factor. With its PC-like interfaces and industrial compatibility, Pioneer offers a seamless RISC-V development environment and an immersive RISC-V desktop experience. It has become the top preference for RISC-V developers and hardware pioneers seeking to explore the forefront of RISC-V technology. Embrace RISC-V and embrace a future driven by innovation.

Pioneer Board Specification	
Processor	SOPHON SG2042
Memory	4x DDR4 DIMM slots up to 128GB ram support
PCI Express	1x PCIe x16 Slot(PCIe 4.0 x16)+1x PCIe x16 Slot(PCIe 4.0 x8)
Storage	5x SATA
Ethernet	2x RJ45 2.5G
Wireless	1x M.2 E KEY(PCIe 3.0 x1 + USB 2.0)
USB	8x USB3
	1x USB Header for front panel(2x USB 3.0)
Other	1x misc header for front panel power, reset, etc
	1x SPI Flash for BIOS
	1x MicroSD card for recovery or OS loading
	2x M.2 M KEY(PCIe 3.0 x4)
	1x eMMC module connector
Power	1x standard 24P ATX Power connector
Size	24.4 x 24.4cm

Pioneer Box Specification
1x Pioneer Board
128GB 3200MHz DDR4
1x 1TB PCIe 3.0 SSD
1x Intel X540-T2 Network Card with 2x 10Gbps RJ45 ports
1x AMD R5 230 Graphic Card with HDMI, VGA and DVI
1x MSI A350 350W Power Apply
1x processor cooler with PWM Fan
Slim, white enclosure with handle

https://milkv.io

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