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A black and red 16-port USB network switch. The device features a large black heat sink on the top and side. The front panel is red and contains the following ports from top to bottom: two RJ45 ports labeled '10/100', four USB ports labeled 'USB', a 'Telephone' port, a 'FireWire' port, and a 'Video' port. There are also four gold-plated BNC connectors on the top edge.

Bedrock RAI300

The Next Level of Edge AI

FEATURE	SPECIFICATION	NOTES
CPU	AMD Ryzen™ AI 9 HX 370 12C/24T Zen5 4nm Up to 5.1 GHz Up to 54W	
GPU	AMD Radeon™ 890M	16 CU @ 2900 MHz
NPU	AMD Ryzen™ AI 50 TOPS	
AI Acceleration	Up to 2x Hailo-8 M.2 AI Inferencing Acceleration Module 26 TOPS Up to 2x Hailo-10 M.2 Generative AI Acceleration Module 40 TOPS	2x M.2 key-M 2242 (each precludes an NVME)
RAM	128 bit DDR5 5600 up to 128 GB	2x SODIMM (2x32 bit each), conduction cooled
TPM	fTPM 2.0 (in Ryzen) + dTPM 2.0 (Infineon)	Select in BIOS
Display	Up to 4 display outputs HDMI 2.1 DisplayPort 2.1	Max resolution / refresh rate: 7680×4320 @ 60Hz 3840×2160 @ 240Hz
Storage	Up to 3x NVMe PCIe Gen4 x 4	M.2 key-M 2280 Optional power-loss-protection NVMe is conduction cooled Each 2nd/3rd NVMe precludes one Hailo-8 key-M
LAN	Up to 4x 2.5 GbE (Intel I226)	4x RJ45 (NIO R8000 4X25) 2x RJ45 (NIO R7000 Basic)
Modem	4G / 5G (Quectel)	Up to 4x SMA antennas Optional and upgradable (M.2 key-B 3042 / 3052)
USB	Up to 1x USB 4.0 40 Gb/s 1x USB 3.2 gen 2 10 Gb/s 3x USB 3.2 gen 2 5 Gb/s	Connectors: USB-C / USB-A
Console	Serial over USB	mini-USB connector
BIOS	AMI Aptio V	Dual SPI FLASH for redundancy Console redirection
Operating systems	Windows 11/IoT, Linux	Other x86 operating systems supported
Power	Up to 12V-60V DC	Phoenix terminal Other DC connectors available
Temperature range	Up to -40°C to 85°C	Also available in commercial temperature range
Enclosure	All aluminum enclosure, fanless cooling	
Dimensions	60W model: 73 mm (W) x 160 mm (H) x 130 mm (D) – 1.5 liter Tile model: 29 mm (W) x 160 mm (H) x 130 mm (D) – 0.6 liter	
Mounting	DIN-rail, wall, VESA, table top	

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