extremeEDGE Server™
EE-2300

Product Overview

Powerful processing right where you need it—at the extreme edge.

- Steps up cooling capability with an active hybrid cooling solution while still maintaining robust ingress protection.

- Offers advanced connectivity options, supporting Wi-Fi-AC + Bluetooth and high-speed LTE (4G) or 5G with dual-SIM support for reliable, global deployments.

NANO-BMC (Baseboard Management Controller) with KVM

The **EE-2300** offers the enhanced **NANO-BMC with KVM** module delivering full keyboard-video-mouse (KVM) control alongside SNUC's core remote management technology. This powerful integration allows technicians to securely troubleshoot, recover, and manage systems as if they were on-site; no physical presence required.

With secure out-of-band access, users can monitor, control, and perform critical operations such as remote power cycling, system reboots, virtual drive mounting, and BIOS updates—from anywhere.

Architecture

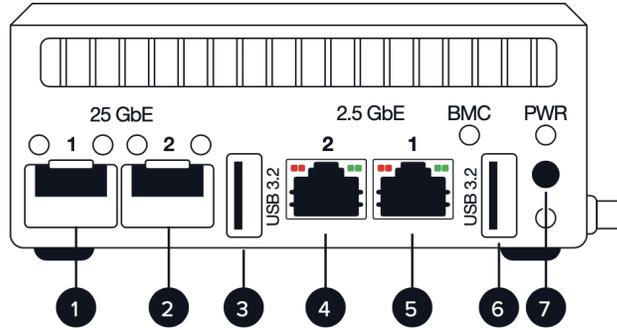| Features	EE-2300
Processor	AMD Ryzen™ AI HX 370 (Zen 5)
BMC	NANO-BMC with KVM
Console Port, Mini-USB	Mini-USB (FTDI RS232 Controller)
TPM (Discrete)	TPM 2.0
Max Memory	128 GB
Max Storage	12 TB

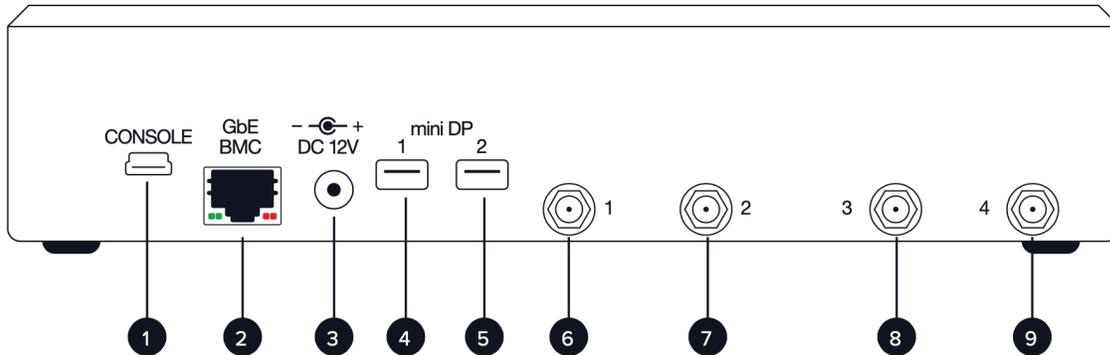|	
Max Drives	3 × 2280 PCIe Gen 4
USB	2 × USB-A 3.2
Network	2 × 2.5GbE RJ45 (Intel® i226) 2 × 25GbE SFP28 (Intel® E830) 1x 1GbE BMC
Cooling	Active
Wifi-AC + Bluetooth	Optional
4G / 5G Modem	Optional
PoE+ Input	N/A
Display Out	2x Mini-DP (4 x 4K displays)
Video Chipset	Radeon 890M, 16 Compute Units 4x 3840x2160 1x 7680x4320 *
NPU	50 TOPS
AI Processing	80 TOPS + Optional Modules
Operating Temperature Range	−40°C to 60°C
Mounting Options	DIN rail, 1U Rack Mount
Dimensions	177.8 mm (W) x 88.9 mm (L) x 38.1 mm (H) 7" (W) x 3.5" (L) x 1.5" (H)
Weight	~2.125 Lbs / 0.96Kg (Depends on configuration)

* Untested feature

**For complete specifications and detailed definitions, please refer to the
extremeEDGE™ 2000 Series Technical Specifications.**

Illustrated I/O Port Overview EE-2300

FRONT			
1	25GbE SFP28	5	2.5 GbE
2	25GbE SFP28	6	USB-A 3.2
3	USB-A 3.2	7	POWER BUTTON
4	2.5 GbE		

FRONT					
1	BMC CONSOLE	4	Mini-DP	7	LTE ANTENNA
2	GbE BMC	5	Mini-DP	8	WI-FI ANTENNA
3	12V DC	6	WI-FI ANTENNA	9	LTE ANTENNA

*Antennas are optional