NA593 NEW

1U 19" Rackmount Network Appliance with 14th/13th/12th Gen Core™ i9/i7/i5/i3, Pentium® or Celeron® Processor, and up to 26 LAN

Console/USB
Keypad
LCM
HDD/power/GPO LED
HDMI
8 x RJ-45 & 2 x SFP
2 x NIC slot
▲ Front view

Expansion slot
Power bottom
System fans
ATX power
▲ Rear view

TPM | LAN Bypass | IEC 62368-1 | DDR5 | M.2 | NIC Module | Redundant Power

Features

- 14th/13th/12th Gen Core™ i9/i7/i5/i3, Pentium® or Celeron® processor (Codenamed Alder Lake S/Raptor Lake S/Raptor Lake Refresh)
- 4 DDR5-4400 MHz ECC (By CPU) or non-ECC UDIMM, up to 256GB
- 8 GbE RJ-45, 2 SFP (Intel® I350), and 2 NIC modules (optional)
- 1 PCIe x8 FH/HL (optional), 1 x M.2 Key M, 1 x M.2 Key B, and 1 x PCIe Mini Card slot

Specifications

System

CPU	14th/13th/12th Gen Core™ i9/i7/i5/i3, Pentium® or Celeron® processor (Codenamed Alder Lake S/Raptor Lake S/Raptor Lake Refresh)
Chipset	Intel® R680E
Memory	4 x DDR5-4400 MHz ECC/non-ECC UDIMM, up to 256 GB
BIOS	AMI SPI Flash BIOS
Storage	2 x 2.5" SATA HDD/SSD bays 1 x M.2 Key M 2280 slot (NVMe)
Network Interface	8 x GbE RJ-45 2 x SFP 2-pair LAN bypass 2 x NIC module through MIO153 I/O board (optional)
I/O	1 x HDMI 1 x LCM (16x2 character) 6 LEDs for power, storage, GPIO, and LAN bypass 1 x console (RJ-45/Type C) 2 x USB 3.0
TPM	Onboard TPM 2.0
IPMI	BMC AST2600, IPMI 2.0 (by project)

Specifications

System

Expansion Interface	1 x M.2 Key M 2280 slot (NVMe) (via I/O board MIO153)
	1 x M.2 Key B 3052 slot with SIM card for 5G (PCIe x2 by default, USB 3.1 optional)
	1 x PCIe Mini Card slot with SIM card (PCIe x1 and USB 2.0 by default, co-lay with SATA 3.0)
	1 x PCIe x8 slot (optional; via I/O board MIO153 and riser card EIO150)
Watchdog Timer	255 stepping for system reset
	8 stepping for LAN bypass
Power Supply	400W single power supply
	400W 1U redundant power supply

Mechanical/ Environmental

Form Factor	1U 19'' rackmount
LED	Power, HDD, GPIO programmable, LAN bypass
Operating Temperature	0°C to +45°C (+32°F to +113°F)
Storage Temperature	-20°C to +70°C (-4°F to +158°F)
Relative Humidity	10% to 90% relative humidity, non-condensing
Chassis Material	SECC
Dimensions (H x W x D)	44 x 430 x 450 mm (1.73" x 16.93" x 17.7")
Weight (net/gross)	6 kg/9.5 kg (single power)
	7.3 kg/10.8 kg (redundant power)
Certifications	CE, FCC Class A

Ordering Information

Standard (P/N)	CPU	PCH	Memory Slot	GbE LAN Port	LAN Bypass	IPMI	TPM 2.0	PCIe Expansion	Power
NA593-R680E-SPU w/o IPMI (P/N: E26E593100)	14th/13th/12th Gen Intel® Core™	R680E	4	8 x RJ-45 2 x SFP	2 pairs	Optional, by project	Yes	2 x NIC sot or 1 x NIC and 1 x PCIe x8 slot (optional)	AC single 400W
NA593-R680E-RPU w/o IPMI (P/N: E26E593101)	14th/13th/12th Gen Intel® Core™	R680E	4	8 x RJ-45 2 x SFP	2 pairs	Optional, by project	Yes	2 x NIC sot or 1 x NIC and 1 x PCIe x8 slot (optional)	AC redundant 400W

Optional Accessories

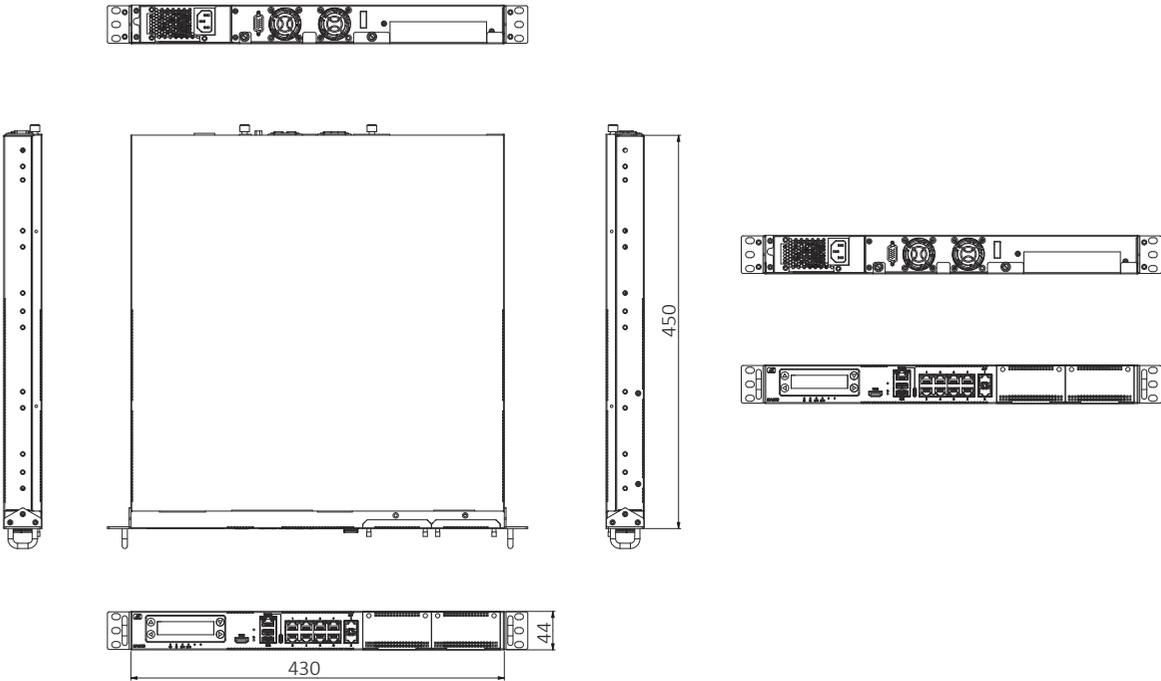|	
839Q1531000E	MIO153 I/O board for 2 x NIC slot
839Q1531010E	MIO153, I/O board for 1 NIC slot, M.2, and 1 PCIe x8 expansion slot
839P1501000E	EIO150 riser card for NA593
5916E552000E	DB9F-RJ-45, 1.8 m console cable for Cisco
59906000010E	Power cord YP-12/YC-12 (Japan)
59903000000E	Power cord YP-22/YC-12 (Europe)
59905000000E	Power cord YP-35/YC-12 (Australia)
59904010000E	Power cord/UK YP-61A/YC-12, L = 1830 mm
590000066500	USB Type A to Type C convert cable L = 180 cm

Optional NIC Modules

E393316109	AX93316-8GI-I350_PLX
E393322102	AX93322-8FI-I350_PLX
E393322103	AX93322-8MIL-I350_PLX 4RJ_4SFP_2LBP
E393336102	AX93336-4GIL-I350_2 LBP
E393336103	AX93336-4FI-I350
E39Q135100	MIO135-4FIL-MM 1G with 2 LBP
E39Q135101	MIO135-2FIL-MM 1G with 1 LBP
E39Q710100	MIO710-2FI-X710 SFP+
E393327101	AX93327-4FI-XL710 4 x 10G SFP+
E393331100	AX93331-2QFI-XL710 2 x 40G QSFP
E393332100	AX93332-25FI-XXV710 2 x 25G SFP28

If you need more NIC modules information, please contact our sales representative.

Dimensions

ATX power

Redundant power