ISAAC®

GEN 4

Nemesis
800 Series

Technical Specifications

N820

Hosts	2

System (per host)

CPU Dies	2
CPU Cores / Die	10
CPU Clock (GHz)	2.7
CPU Model	Xeon Silver 4410T
RAM (GB)	64

Network (per host)

1gb Mgmt. NICs	1
25gb SFP28 FT	2
1gb NICs	2
10gb Base-T	4

Storage (per host)

Usable SSD (GB)	1920
Usable HDD (GB)	0

Mechanical (per host)

Rack Unit	2U
Weight (lbs)	54.96
Heat (BTU)	3000
Power (W)	800
AC Auto-ranging (V)	100 ~ 240
Operating Temp (°C)	10 ~ 35

Drawing (per host)

Rail Max Depth: 868 mm
Rail Min Depth: 631 mm

22 mm

482 mm

434 mm

Host

685.78 mm
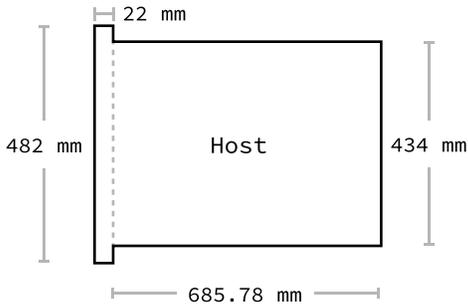
N822

Hosts	2

System (per host)

CPU Dies	2
CPU Cores / Die	16
CPU Clock (GHz)	2
CPU Model	Xeon Silver 4514Y
RAM (GB)	128

Network (per host)

1gb Mgmt. NICs	1
25gb SFP28 FT	2
1gb NICs	2
10gb Base-T	4

Storage (per host)

Usable SSD (GB)	1920
Usable HDD (GB)	24000

Mechanical (per host)

Rack Unit	2U
Weight (lbs)	54.96
Heat (BTU)	3000
Power (W)	800
AC Auto-ranging (V)	100 ~ 240
Operating Temp (°C)	10 ~ 35

Drawing (per host)

Rail Max Depth: 868 mm
Rail Min Depth: 631 mm

22 mm

482 mm

Host

434 mm

685.78 mm
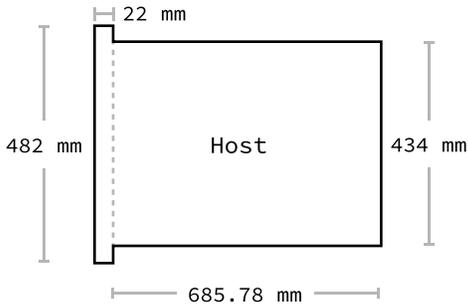
N825

Hosts	2

System (per host)

CPU Dies	2
CPU Cores / Die	20
CPU Clock (GHz)	2
CPU Model	Intel® Xeon® Silver 4416+
RAM (GB)	192

Network (per host)

1gb Mgmt. NICs	1
25gb SFP28 FT	2
1gb NICs	2
10gb Base-T	4

Storage (per host)

Usable SSD (GB)	3840
Usable HDD (GB)	100000

Mechanical (per host)

Rack Unit	2U
Weight (lbs)	54.96
Heat (BTU)	3000
Power (W)	800
AC Auto-ranging (V)	100 ~ 240
Operating Temp (°C)	10 ~ 35

Drawing (per host)

Rail Max Depth: 868 mm
Rail Min Depth: 631 mm

22 mm

482 mm

Host

434 mm

685.78 mm

Quorum Appliance
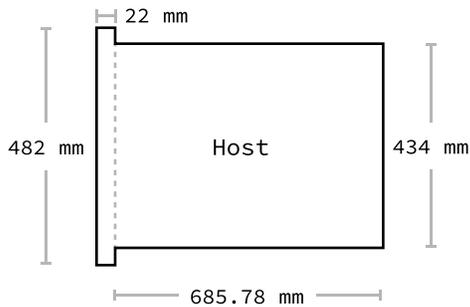
System

Processor	Raspberry Pi Compute Module 4 (CM4) with Broadcom BCM2711 Cortex-A72 (ARM v8)
Processor Cores	4
Processor Cores	1.5 GHz
Memory	8 GB

Mechanical

Dimensions (WxHxD)	102.5 x 129 x 38 mm 4.04 x 5.08 x 1.50 in
Weight (lbs)	≈0.87
Mounting	DIN Rail Mounting Kit (Edge)

Storage

Expansion & Storage	512 GB M.2 SATA SSD

Environmental & Regulatory

Operating Temperature	-20 ~ 60°C
Certifications	FCC 47 CFR Part 15 CE UL/ETL Listed configurations available CB scheme WEEE Directive (2002/96/EC) ErP Directive (2009/125/EC) Low Voltage Directive (2014/35/EU) Electromagnetic Compatibility Directive (2014/30/EU) Radio Equipment Directive (2014/53/EU) - For configurations with wireless transmitters RoHS 2 (2011/65/EU) RoHS 3 (2015/863/EU) REACH RCM VCCI-CISPR-32 EN 301 489-1 EN 301 489-17 EN 55032 EN 55035 EN 62368-1 IEC 62368-1 UL 62368-1

Top I/O

USB	2 USB 2.0 Ports 1 USB 3.2 Gen 1 Port USB-C Port (CM4 management)
Video	1 HDMI Port
Other	1 Reset Button

Bottom I/O

Ethernet	2 1GbE LAN PoE PD Input
Power	3-Pin Terminal Block Power Input (8~24 DC, 22W max) or PoE
Serial	1 RS-232/422/485 5-pin Terminal Block

Drawing

129mm · 38mm · Top

129mm · 38mm · Bottom

isaacplatform.com   info@isaacplatform.com