

Scylla Asteria Large



Technical Specifications

Operating System	Ubuntu Desktop 20.04
Board Number	BNUC11DBBi70000
Board Form Factor	PCIe
Internal Drive Form Factor	M.2 SSD
Number of Internal Drives Supported	4
TDP	65 W
Board Chipset	Intel® WM590 Chipset
Processor Included	Intel® Core™ i7 Processor (24M Cache up to 4.80 GHz)
Total Cores	8
Total Threads	16
Processor Base Frequency	3.20 GHz
Lithography	10 nm SuperFin
Max Turbo Frequency	4.80 GHz
Warranty Period	3 yrs

Memory & Storage

Max Memory Size (dependent on memory type)	16 GB
Memory Types	DDR4 3200MHz 1.2V SO-DIMM DDR4 3200 MHz 1.35V SO-DIMM - XMP is required to enable 1.35V memory
Max # of Memory Channels	2
Max Memory Bandwidth	51.2 GB/s
Max # of DIMMs	2
ECC Memory Supported	No



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Processor Graphics

Integrated Graphics	Yes
Graphics Output	2 x Thunderbolt 4 HDMI 2.0b
# of Displays Supported	3
Discrete Graphics	Via PCIe add-in card(s) RTX 3060 12GB VRAM

Expansion Options

PCI Express Revision	Gen4
PCI Express Configurations	2x M.2 PCIe X4 Gen3 slots (PCH) 2x M.2 PCIe X4 Gen4 slots (CPU); Double-wide PCIe X16 Gen4 (CPU) slot PCIe X4 Gen4 (CPU) slot 12" max card length
Removable Memory Card Slot	SDXC with UHS-II support
M.2 Card Slot (wireless)	Intel® Wi-Fi 6E AX210
M.2 Card Slot (storage)	2x via PCH + 2x via CPU (NVMe)

Package Specifications

Chassis Dimensions	357 x 189 x 120mm
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I/O Specifications

# of USB Ports	13
USB Configuration	Rear: 6x USB 3.2g2 2x TB4 (USB 3.2g2); Front: 2x USB 3.2g2; Internal Headers: USB 3.2g2 Type-C Key A 2x USB 2.0
USB Revision	3.2 Gen2 2.0
USB 2.0 Configuration (External + Internal)	2x int.
Total # of SATA Ports	2
Max # of SATA 6.0 Gb/s Ports	2
RAID Configuration	2x M.2 SATA/PCIe SSD (RAID-0 RAID-1)
Audio (back channel + front channel)	7.1 digital; L+R+mic (F)
Integrated LAN	Intel® Ethernet Controller i225-LM
Integrated Wireless	Intel® Wi-Fi 6E AX210(Gig+)
Integrated Bluetooth	Yes
Additional Headers	2x USB2.0 FRONT_PANEL
# of Thunderbolt™ Ports	2x Thunderbolt™ 4

