

Apogean Single Socket Intel Core 14th/13th/12th Gen Processor Workstation

IS4T-C9-M



Key Features

- CPU Support - Support Intel® Core™ 14th/ 13th/ 12th Gen Processors
- CPU Socket - LGA 1700
- Chipset - Intel® Z790 Chipset
- Expansion Slots - 1x PCIe 5.0 x16 slot, 1x PCIe 4.0 x16 slot 2x PCIe 3.0 x1 slots
- Display Interface - Support 4K@60Hz as specified in HDMI 2.1, DisplayPort 1.4 – Requires
- Memory Support - 4 DIMMs, Dual Channel DDR5 7200+MHZ(OC)
- Storage - 4x M.2 Gen4 x4 64Gbps slots, 6x SATA 6Gbps ports
- USB ports - 1x USB 3.2 Gen 2x2 20Gbps (1 Type-C), 4x USB 3.2 Gen 2 10Gbps (3 Type-A + 1 Type-C), 4x USB 3.2 Gen 1 5Gbps (4 Type-A), 6x USB 2.0
- LAN - Intel® 2.5G LAN, WiFi / BT - Intel® Wi-Fi 6E, Bluetooth 5.3, Audio - 8-Channel (7.1) HD Audio with Audio Boost 5

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Specifications:

• Chipset

INTEL Z790

• CPU

Support Intel® Core™ 14th/ 13th/ 12th Gen Processors, Intel® Pentium® Gold and Celeron® Processors
LGA 1700

• Memory

4x DDR5, Maximum Memory Capacity 256GB Memory
Support 7200+(OC)/7000(OC)/ 6800(OC)/ 6600(OC)/
6400(OC)/ 6200(OC)/ 6000(OC)/ 5800(OC)/5600(JEDEC)/
5400(JEDEC)/ 5200(JEDEC)/ 5000(JEDEC)/ 4800(JEDEC)
MHz

Max. overclocking frequency:

1DPC 1R Max speed up to 7200+ MHz
1DPC 2R Max speed up to 6600+ MHz
2DPC 1R Max speed up to 6400+ MHz
2DPC 2R Max speed up to 5600+ MHz

Supports Intel® XMP 3.0 OC

Supports Dual-Controller Dual-Channel mode

Supports non-ECC, un-buffered memory

Realtek® ALC4080 Codec

• LAN

Intel® 2.5Gbps LAN

• Storage

M.2_1 Source (From CPU) supports up to PCIe 4.0 x4 ,
supports 22110/2280/2260/2242 devices

M.2_2 Source (From Chipset) supports up to PCIe 4.0 x4 ,
supports 2280/2260/2242 devices

M.2_3 Source (From Chipset) supports up to PCIe 4.0 x4 / SATA
mode,
supports 2280/2260/2242 devices

M.2_4 Source (From Chipset) supports up to PCIe 4.0 x4 / SATA
mode,
supports 2280/2260/2242 devices
4x3.5"/2.5" SATA 6G drive slots

• Audio

7.1-Channel USB High Performance Audio Supports S/PDIF
output
4x M.2

• RAID

Supports RAID 0, RAID 1, RAID 5 and RAID 10 for SATA storage
devices

Supports RAID 0, RAID 1, RAID 5 and RAID 10 for M.2 NVMe
storage devices

• Expansion Slots

PCI_E1 Gen PCIe 5.0 supports up to x16 (From CPU)

PCI_E2 Gen PCIe 3.0 supports up to x1 (From Chipset)

PCI_E3 Gen PCIe 4.0 supports up to x4 (From Chipset)

PCI_E4 Gen PCIe 3.0 supports up to x1 (From Chipset)

• Onboard Graphics

1x HDMI™

Support HDMI™ 2.1 with HDR, maximum resolution of 4K 60Hz

1x DisplayPort

Support DP 1.4, maximum resolution of 8K 60Hz

3x PCI-E x16 slot

1x PCI-E x1 slot

• USB

2x USB 2.0 (Rear)

4x USB 2.0 (Front)

2x USB 2.0 ports (Rear)

4x USB 2.0 ports (Front)

2x USB 5Gbps Type A (Rear)

2x USB 5Gbps Type A (Front)

3x USB 10Gbps Type A (Rear)

1x USB 10Gbps Type C (Front)

1x USB 20Gbps Type C (Rear)

• Wireless LAN & Bluetooth

Intel® Wi-Fi 6E

The Wireless module is pre-installed in the M.2 (Key-E) slot

Supports MU-MIMO TX/RX, 2.4GHz / 5GHz / 6GHz (160MHz) up to
2.4Gbps

Supports 802.11 a/ b/ g/ n/ ac/ ax

Supports Bluetooth® 5.3, FIPS, FISMA

• Backpanel Ports

1. DisplayPort

2. USB 2.0

3. 2.5G LAN

4. Wi-Fi / Bluetooth

5. Audio Connectors

6. HDMI™

7. Flash BIOS Button

8. USB 3.2 Gen 1 5Gbps (Type-A)

9. USB 3.2 Gen 2 10Gbps (Type-A)

10. USB 3.2 Gen 2x2 20Gbps (Type-C)

S/PDIF-OUT

• OS Compatibility

Support for Windows® 11 64-bit, Windows® 10 64-bit,
Ubuntu

• Form Factor

Tower

