

# Northern Micro Spirit X399-AS

Chassis	In Win PE689T2 – External 5.25" x4, External 3.5" x1, Internal 3.5" / 2.5" x5
Form Factor	ATX Full Tower
Motherboard	Asus Prime X399-A
Chipset	AMD X399
Processor	AMD Ryzen Threadripper 1920X
Memory	Crucial 32GB (8GB x4), 2666MHz DDR4 PC4-21300, Non-ECC, Max. 128GB
Cooling System	Liquid Cooling System
Storage	Intel 760P Series, 512GB M.2 2280 PCIe NVMe 3.1 AES 256bit
Expansion Slots	4 x PCIe 3.0 x16 (single@x16, dual@x16/x16, triple@x16/x16/x8 mode) 1 x PCIe 2.0 x4 (max at x4 mode) 1 x PCIe 2.0 x1
Video	MSI GeForce RTX 2070 8GB GDDR6, Display Port 1.4 x3, HDMI, USB Type C
Audio	Realtek® S1220A 8-Channel High Definition Audio CODEC
Network Controller	Intel® I211-AT
Front Ports	USB 3.0 x2, Headphone Jack, MIC Phone Jack
Back Ports	1 x LAN (RJ45) port(s) 2 x USB 3.1 Gen 2 (teal blue)Type-A + USB Type-CTM 8 x USB 3.1 Gen 1 (blue) , 1 x Optical S/PDIF out 5 x Audio jack(s) 1 x USB BIOS Flashback Button(s)
Power Supply	EVGA 850W, 80Plus Gold, EPS Cable x2, PCIe Cable x4, SATA x4, Peripheral x1
Operating System	Windows 10 Professional, 64 bit
Security	TPM 2.0

