

HQ Box 2 Edge Series



Model Comparison: Distinctive Features

Category	Details
Processor	Intel® Xeon D-1700 / D-1800 LCC, 4–10 cores
Memory	3× DDR4-ECC channels, up to 384 GB
Storage (Motherboard)	• M.2 NVMe (M-Key, PCIe 3.0 x4, 2280/2260) • M.2 SATA (B-Key, 2280) • eMMC up to 256 GB (soldered)
Storage (Extension)	• 6× M.2 NVMe (4× PCIe Gen4 + 2× Gen3) • 4× U.3 2.5" PCIe Gen4 bays (model-dependent)
Networking	• 4 or 8× SFP+ (1/10/25 GbE) • 2× I225 (2.5 GbE) • 1× I210 (1 GbE) • WWAN/WLAN: 5G/LTE/3G/802.11ax via M.2 E-Key slot
Display	DisplayPort via BMC (AST2600)
Interfaces	2× USB 3.0, 2× RS-232 serial ports
Expansion Slots	• 1× PCIe Gen4 x16 • 1× PCIe Gen3 x8 • M.2 M-Key (NVMe x4) • M.2 B-Key (SATA + USB + SIM) • M.2 E-Key (PCIe x1 + USB2.0)
Management	AST2600 BMC, OpenBMC, IPMI 2.0, DCMI, iKVM, Virtual Media
Security	TPM 2.0 (SLB9665), Secure Boot, Secure Flash
Power	12 VDC input; optional 240 W DC-DC (9–36 V in / 12 V out)
Software Support	Windows 10 IoT / WS19H1/H2 / WS2022 / Win11; Linux; KVM/ACRN/ESXi/Hyper-V; VxWorks
LEDs	Power, SSD, 2× GPIO
Environment	Operating: 0–50 °C (std), –20–60 °C (ext), –40–72/75 °C (industrial); Storage: –40–85 °C; Humidity: 95% @ 40 °C; MTBF >100,000 h
Certifications	EMC: CE, FCC, AS/NZS; Safety: IEC 60950-1, AS/NZS

Technical Specifications (All Models)

Model	PCIe G4 Slot	PCIe G3 Slot	M.2 SSD	U.3 Bays	2.5G / 1G LAN	SFP+	BMC	Wi-Fi / 5G	Dimensions (W×D×H)
Bare	–	–	1× NVMe G3 + 1× SATA	–	2 / 1	4+4	AST2600	M.2-B w/ SIM, M.2-E	84×177×237 mm
2X	1	1	1× NVMe G3 + 1× SATA	–	2 / 1	4+4	AST2600	M.2-B w/ SIM, M.2-E	138×176×237 mm
Storage-M	–	–	4× NVMe G4 + 1× NVMe G3 + 1× SATA (+2× NVMe G3 on M6)	–	2 / 1	4+4	AST2600	M.2-B w/ SIM, M.2-E	92×176×237 mm
Combo	–	1	1× NVMe G3 + 1× SATA	4× U.3 hot-swap	2 / 1	4+4	AST2600	M.2-B w/ SIM, M.2-E	153×176×237 mm

CPU Selection

CPU Model	Cores	Turbo	Base	Cache (MB)	NAC Class (G)	NAC Ports	QUAD0	QUAD1	Ext. Temp	TDP (W)	Mem (MHz)	Channels	Max Mem (GB)
D-1747NTE	10	3.5	2.5	15	100	8	4x10G	4x10G	Yes	80	2933	3	384
D-1748TE	10	3.4	2.3	15	50	5	5x10G	-	Yes	65	2400	2	256
D-1746TER	10	3.1	2.0	15	100	6	2x25G	4x10G	Yes	67	2667	3	384
D-1848TER	10	3.1	2.0	15	100	4	4x25G	-	Yes	57	2667	2	256
D-1844NT	10	3.1	2.0	15	50	4	4x10G	-	-	55	2667	2	256
D-1846	10	3.1	2.0	15	-	0	-	-	-	55	2933	2	256
D-1739	8	3.5	3.0	15	-	0	-	-	-	83	2933	3	384
D-1736NT	8	3.5	3.0	15	50	8	4x10G	4x1G	-	67	2667	2	256
D-1735TR	8	3.4	2.2	15	50	4	4x10G	-	-	59	2933	3	384
D-1733NT	8	3.1	2.0	15	50	4	4x10G	-	-	53	2400	2	256
D-1732TE	8	3.0	1.9	15	50	2	2x25G	-	Yes	52	2667	3	384
D-1834	8	2.9	1.8	15	-	0	-	-	-	42	2667	2	256
D-1726	6	3.4	2.9	10	-	0	-	-	-	70	2933	3	384
D-1722NE	6	2.7	1.7	10	-	0	-	-	Yes	36	2400	2	256
D-1823NT	6	3.5	2.8	10	50	2	2x25G	-	-	55	2400	2	256
D-1715TER	4	3.5	2.4	10	50	4	4x10G	-	Yes	50	2667	3	384
D-1718T	4	3.5	2.6	10	50	4	4x10G	-	-	46	2933	2	256
D-1713NT	4	3.5	2.2	10	50	8	4x10G	4x1G	-	45	2667	2	256
D-1713NTE	4	3.3	2.2	10	50	8	4x10G	4x1G	Yes	45	2400	2	256
D-1712TR	4	3.1	2.0	10	50	4	4x10G	-	-	40	2400	3	384
D-1813NT	4	2.4	2.2	10	50	2	2x25G	-	-	42	2400	2	256