



HQ-BOX Server

IN A TINY BOX.. ONLY 20 X 19.5 X 15.4 CM

XEON®-D becomes FANLESS

XEON®-D, AUTONOMOUS VEHICLES, MEC – MULTI-ACCESS EDGE COMPUTING,
 EDGE-SERVER, FOG-SERVER, PRIVATE-CLOUD, STORAGE-SERVER,
 COMMUNICATION, VIRTUALIZATION, CLOUD-CACHE, INDUSTRIAL-CONTROL,
 INDUSTRIAL-AUTOMATION, OUTDOOR-SERVER, IOT-GATEWAY, MICRO-SERVER

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HQ-BOX SERVER

FLEXIBLE AND CUSTOMIZABLE

HIGHLIGHTS

| | | |
|------------|---------------|---|
| PROCESSOR | TYPE | Xeon-D D1500 Series, 14-nm |
| | CORE | Up to 16 Cores , 24 MB Cache |
| | MAX. SPEED | Up to 2.7 GHz (TURBO) |
| MEMORY | TECHNOLOGY | DDR4 ECC 2400/2133 MHz |
| | MAX.CAPACITY | 128 GByte |
| | SOCKET | DDR4 288pin socket (4 sockets) |
| STORAGE | 2.5" DRIVE | Up to 4x 2.5" U.2 NVME/PCIEx4 Up to 4x 2.5" SATA SSD |
| | M.2 KEY M | Up to 2x M.2 Type M PCIEx4 |
| | M.2 KEY B | 1x M.2 Type B SATA SSD |
| NETWORKING | 10 Gigabit | 2x 10Gbe SPF+ / 10GBase-T |
| | Gigabit | 2x I210 Server network controller |
| | WWAN | 4G, LTE, 3G |
| | WLAN | 802.11ac/ad, Wireless Gigabit |
| | BT | BT 5.0 |
| DISPLAY | VGA | AST1400/AST2400 Maximum Display resolution: 1920x1200 32bpp@60Hz. |
| | HDMI, DVI, DP | Up to 6x (using PCIE add-on card) |
| INTERFACES | USB | 4x USB3.0 + 1x USB2.0(internal) |
| | SERIAL PORTS | 2x RS232 |
| | AUDIO | MIC IN, LINE OUT |
| | DIO | 8x IN, 8x OUT, OPT. ISOLATED |
| | CAN BUS | Using mPCIE |

4-16 CORES (up to 65W)

128GB ECC DDR4

6x NVME SSD

2x 10Gbe SFP+/RJ45

2x I210 Gigabit LAN

3x PCIE Gen3 FHHL(70W)

IPMI 2.0 BMC

BUILT IN TMP 2.0

16x ISOLATED DIO

2x RS232 UARTs

AUDIO I/O

AUTO ON

13.6V-24V PWR INPUT

FANLESS

SILENT

ZERO MAINTAINANCE

WIDE TEMP. -30° ..72°C

7 YEAR LONGEVITY

3-5 YEAR WARRANTY

| | | |
|------------------|------------------------------|--|
| EXPANSIONS | PCI-E GEN3 | Up to 3 FHHL , up to 70W total |
| | M.2 KEY M | Up to 2x sockets, NVME, PCIe4 |
| | M.2 KEY B | 1x socket, SATA, USB3.0/2.0 |
| | M.2 KEY E | 1x socket, PCIe1, USB2.0 |
| | miniPCI-E | 1x socket half size |
| | SIM | 2x socket (M.2-B, miniPCI-E) |
| MANAGEMENT | HARDWARE | BMC AST2400, VGA, 1G LAN |
| | SOFTWARE | IPMI 2.0, DCMI, iKVM, Virtual Media |
| SECURITY | TPM | TPM 2.0, SLB9665 |
| | BIOS | SECURE BOOT, SECURE FLASH |
| POWER | INPUT VOLTAGE | 13.6-24V, DC |
| | PROTECTION | REVERSE POLARITY, OV, UV |
| SOFTWARE SUPPORT | WINDOWS | WIN7, WIN10, Win 10 IoT 2008R2, 2012R2, WS2016 |
| | LINUX | All major distributions |
| CONTROLS | POWER | Power Button |
| | LEDs | Power, HDD, BMC, Memory init |
| MECHANICAL | DIMENSIONS | 154x195x200 mm |
| | WEIGHT | 4.5Kg +add-ons |
| | COOLING | FANLESS |
| | MOUNTING | Shelf mount Wall mount (back, left, right) |
| ENVIRONMENT | OPERATING TEMPERATURE | Standard 0°C to 50°C |
| | | Extended* -20°C to 60°C |
| | | Industrial* -30°C to 72°C |
| | * On selected configurations | |
| | STORAGE TEMPERATURE | -40°C to 85°C |
| HUMIDITY | 95%@40°C (non-condensing) | |
| EMC | CE, FCC ,AS/NZS | |
| SAFETY | IEC 60950-1, AS/NZS | |

SERVICE

CUSTOM EXTENSIONS

BIOS MODIFICATIONS

EXCELLENT SUPPORT



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| Contacts | Email | sales@heptagonsystems.com |
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