

3+5.5"

2-Bay Small Form Factor Harsh Environment Server

The BCD-HES02-I7-8RJ supports 8-port Gigabit PoE and is able to work under harsh temperatures.

Its 8 Gigabit PoE ports allow multiple cabling to cameras and any PoE power device. Powered by an Intel® Core™ i7 processor, this unit also has SIM slots and SMA-type antenna connectors.

For storage, this high performance fanless server has two drive bays with a height of up to 15 mm and one BCache for RAID 0 and 1. Moreover, the embedded device supports two 260-pin DDR4 SO-DIMM slots for up to 64 GB of system memory.



64 TB Storage

Intel® Core™ 8th Generation Processor

Windows 10 Pro

64 GB DDR4 RAM

64 GB DDR4 RAM

Supports Cell/GPS/Wi-Fi Modules

-40°C to +7°C (-40°F to +45°F)

(8) RJ45 PoE Ports

3-Year 4UBEBSE Warranty

BCD-HES02-I7-8RJ-4T-2-MTA

2-Bay Small Form Factor Harsh Environment Server

SYSTEM

Operating System

Windows 10 Pro, Linux

Memory

Standard Configuration: 16GB (2x 8GB)
Maximum Configuration: Up to 64GB,
optional with ECC
(2x DDR4 SO-DIMM Slots)

Processor(s)

(1) Intel® Core™ 7th Generation Processor
(Up to 8 Cores, 16 Threads, 4.4GHz)

Processor Passmark

Intel® Core™ i7-10700TE: 16,332

Networking

(8) 1GbE RJ45 PoE Ports
(IEEE 802.3af/802.3at)

Expansion Slots

(1) PCIe Mini Card Slot,
(1) M.2 Key B
(1) M.2 Key E
(2) Mini PCIe

I/O Ports

(3) External Nano SIM Sockets for 5G/
WiFi 6/4G/3G/LTE/GPRS/UMTS,

6-port USB 3.2 support up to 10Gbps
data transfer

32 Isolated DIO, 4 COM RS-232/422/485

Video Outputs

(1) VGA, DVI-D & (2) DisplayPort
interfaces, up to 4K resolution

Certifications

CE, FCC Class A, IP40

MECHANICAL

Form Factor

Small Form Factor

Power Supply(s)

Power Input: 9V to 50V, DC-in
Power Interface: 3-pin Terminal Block : V+, V-,
Frame Ground
Ignition Control: 16-mode Software Ignition Control
Remote Switch: 3-pin Terminal Block
Surge Protection: Up to 80V/1ms Transient Power

Operating Temperature

35W TDP CPU : -40°C to 75°C (-40°F to 167°F),
Fanless
65W TDP CPU : -40°C to 55°C (-40°F to 131°F),
Fanless
80W & 95W TDP CPU : -40°C to 55°C (-40°F to
131°F), with Fan Sink

Operating Humidity

95% at 75°C

Dimensions (WxDxH)

10.24" x 9.45" x 3.11" (260mm x 240mm x 79mm)

Max. Weight

9.92 lb (4.5kg)

Warranty

3-Year Advanced Replacement

EMC

EN 50155, EN 50121, IEC 62236-3-2 Compliant
CE/FCC: EN 55032 (Class A), EN 55024, FCC Part
15 B (Class A)

Shock Endurance

IEC 60068-2-27 (with SSD, 50G, half sine, 11ms
duration)

Vibration Endurance

IEC 60068-2-64 (with SSD, 5Grms STD,
random 5 to 500 Hz, 3 axis)

STORAGE

Hard Drive Bays

(1) 256GB m.2
(2) 15mm 2.5" Drive Bays

Hard Drives Supported

SATA

RAID

JBOD

Maximum Storage

Up to 8TB