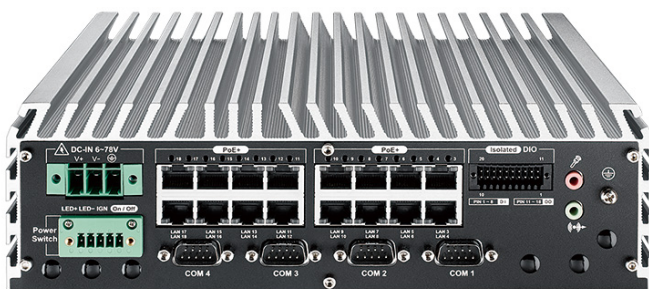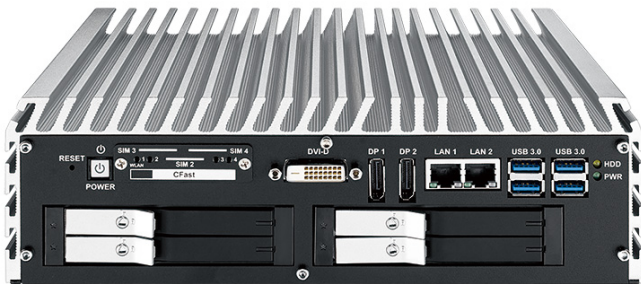# BCD

BCD-HES04-I5/I7-16RJ

4-Bay Small Form Factor Harsh Environment Server

16 PORT POE HARSH ENVIRONMENT SERVER

This BCD-HES02-I5/I7-16RJ support 18-port Gigabit PoE and able to work under harsh temperatures.

Its eighteen Gigabit PoE ports allow multiple cabling to cameras and any PoE power device. Powered by an Intel® Core™ i5 or i7 processor, this unit also has SIM slots and SMA-type antenna connectors.

For storage, this high performance fanless server has four drive bays with a height of up to 15 mm and one 256G mSATA for RAID 0 and 1. The embedded device supports two 260-pin DDR4 SO-DIMM slots for up to 32GB of system memory.

KEY FEATURES

- Up to 16TB Storage
- Intel® Core™ 6th Generation Processor
- Windows 10 Pro
- Standard Temp Mixed Use SSDs
- 16GB DDR4 RAM
- Supports Cell/GPS/Wi-Fi Modules
- -25°C to +70°C (-13°F to +158°F)
- (16) RJ45 PoE Ports
- 2-Year Standard Warranty

BCD

BCD-HES04-I5/I7-16RJ

4-Bay Small Form Factor Harsh Environment Server

SYSTEM

Operating System
Windows 10 Pro / Linux

Memory
Standard Configuration: 16GB (2x 8GB)
Maximum Configuration: Up to 32GB,
optional with ECC
(2x DDR4 2133MHz SO-DIMM Slots)

Processor(s)
(1) Intel® Core™ 6th Generation Processor
(Up to 4 Cores, 4 Threads, 3.4GHz)

(1) Intel® Core™ 6th Generation Processor
(Up to 4 Cores, 8 Threads, 3.5GHz)

Processor Passmark
Intel® Core™ i5-6440EQ: 5,394
Intel® Core™ i7-6820EQ: 6,924

Networking
(16) 1GbE RJ45 PoE Ports
(IEEE 802.3af/802.3at)
(2) 1 GbE Non-PoE RJ45 ports

Expansion Slots
(4) PCIe Mini Card Slot

  (1) Mini PCIe for PCIe/USB/Internal SIM
  Card/Optional mSATA
  (3) Mini PCIe for PCIe/USB/External SIM
  Card

I/O Ports
(4) SIM Sockets for 5G/WiFi 6/4G/3G/
LTE/GPRS/UMTS, (1) Internal, (3) External
(4) USB 3.0 (External)
(1) USB 2.0 (Internal)
16 Isolated DIO, 4 COM RS-232/422/485

Video Outputs
(1) 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: 6V to 78V, DC-in
Power Interface: 3-pin Terminal Block : V+, V-, Frame
Ground
Ignition Control: 16-mode (Internal)
Remote Switch: 5-pin Terminal Block
Surge Protection: Up to 200V/1ms Transient Power

Operating Temperature
Operating : -25°C to 70°C (-13°F to 158°F), Fanless
Storage: -40°C to 58°C (-40°F to 185°F), Fanless

Operating Humidity
95% at 70°C

Dimensions (WxDxH)
10.2" x 8.5" x 3.1" (260mm x 215mm x 79mm)

Max. Weight
9.26 lb (4.2kg)

Warranty
2-Year Standard

EMC
CE, FCC, EN50155, EN50121-3-2

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
(4) 15mm 2.5" Drive Bays
(1) 256G mSATA Drive

Hard Drives Supported
SATA

RAID
JBOD

Maximum Storage
Up to 16TB