

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 SODIMM slots for up to 32GB of system memory.



KEY FEATURES

- ▶ Up to 16TB Storage
- ▶ Intel® Core™ 6th Generation Processors (i5 or i7)
- ▶ Up to 32GB DDR4 RAM
- ▶ Windows 10 Pro/Linux
- ▶ Supports Cell, GPS, and WiFi modules
- ▶ -25°C to +70°C (-13°F to +158°F) with Standard Temp Mixed Use SSDs
- ▶ EN 50155 Certified
- ▶ 2-year Standard Warranty

FOR MORE INFORMATION: bcdvideo.com | sales@bcdinc.com | +1.888.305.4993

TECH SUPPORT: support@bcdinc.com

Copyright © 2026, BCD. All rights reserved. This document is provided for information purposes only. Intel, the Intel logo, the Intel Inside logo and Xeon are trademarks of Intel Corporation or its subsidiaries in the U.S. and/or other countries.

BCD-HES04-I5-I7-16RJ

4- Bay Small Form Factor Harsh Environment Server

SYSTEM

Certifications

CE
FCC Class A
IP40

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

Memory

Standard Configuration: 16GB (2x 8GB)
Maximum Configuration: Up to GB 32 , optional with
ECC (2x DDR42133MHz SO-DIMM Slots)

Networking

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

Operating System

Windows 10 Pro / Linux

Processor Passmark

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

Processor(s)

(1)Intel® Core™ 6th Generation Processor (Up to
Cores, Threads, GHz) 443.4
(1)Intel® Core™ 6th Generation Processor (Up to 4
Cores, 8 Threads, 3.5GHz)

Video Outputs

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

MECHANICAL

Dimensions (WxDxH)

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

EMC

CE
FCC
EN50155
EN50121-3-2

Form Factor

Small Form Factor

Manufacturer

BCD

Max. Weight

9.26 lb (4.2 kg)

Operating Humidity

95% at 70°C

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

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

Shock Endurance

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

Vibration Endurance

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

Warranty

2 -Year Standard

STORAGE

Hard Drive Bays

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

Hard Drives Supported

SATA

Maximum Storage

Up to 16TB

RAID

JBOD