

# BCD-HES02-I7-8M12

# 2-Bay Small Form Factor Harsh Environment Server

# **8 PORT POE HARSH ENVIRONMENT SERVER**

This BCD-HES02-I7-8M12 support 8-port Gigabit PoE and able to work under harsh temperatures.

Its eight 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 M.2 SSD for RAID 0 and 1. Moreover, the embedded device supports two 260-pin DDR4 SO-DIMM slots for up to 64GB of system memory.





# **KEY FEATURES**

Up to 8TB Storage

Intel® Core™ 10th Generation Processor



Windows 10 Pro



Standard Temp Mixed Use SSDs



16GB DDR4 RAM



Supports Cell/GPS/Wi-Fi Modules



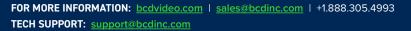
40°C to +75°C (-40°F to +167°F)



(8) M12 PoE Ports



2-Year Standard Warranty





# BCD-HES02-I7-8M12

# 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™ 10th Generation Processor (Up to 8 Cores, 16 Threads, 4.4GHz)

#### **Processor Passmark**

Intel® Core™ i7-10700TE: 16,332

# Networking

(8) X-coded M12 PoE Ports (IEEE 802.3at PoE +) (2) 1GbE Non-PoE RJ45

## **Expansion Slots**

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

(1) M.2 Key E (2) Mini PCle

#### 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, (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: 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)

 $10.24" \times 9.45" \times 3.11"$  (260mm x 240mm x 79mm)

## Max. Weight

9.92 lb (4.5kg)

#### 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**

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

## **Hard Drives Supported**

SATA

#### **RAID**

JBOD

# **Maximum Storage**

Up to 8TB



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