

BCDSF04S-RSS

4-Bay Small Form Factor Rail Server





4 BAY 8 PORT POE RAIL SERVER

The BCDSF04S-RSS is powered by Intel® Core™ i5-7500T or i7-7700T processors. The integrated 8 PoE ports are M12 connectors for IP cameras. Enhanced by its robust structure and system design, the BCDSF04S-RSS is able to operate under a wide temperature range from -40°F to +158°F and vibration endurance up to 3 Grms.

This rail server is in compliance with E-Mark and EN 50155 for mobile surveillance applications. With wireless LAN modules, this user-friendly transportation embedded system can real-time transmits the video to the control center. The four swappable SATA hard drives are used for mass storage of video files.



KEY FEATURES

-  Up to 2TB Storage
-  Intel® Core™ 7th Generation Processor
-  Windows 10 Pro
-  SSD & 24/7 Duty Cycle SATA Drives
-  16GB DDR4 RAM
-  Supports Cell/GPS/Wi-Fi Modules
-  -40°C to +70°C (-40°F to +158°F)
-  EN 50155 Certified
-  3-Year Advanced Replacement Warranty

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SYSTEM

Operating System

Windows 10 Pro

Memory

Standard Configuration: 16GB (2x 8GB)
Maximum Configuration: Up to 32GB (2x DDR4 SO-DIMM Slots)

Processor(s)

(1) Intel® Core™ 7th Generation Processor (Up to 4 Cores, 8 Threads, 3.80GHz)

Processor Passmark

Intel® Core™ i5-7500T: 6,950
Intel® Core™ i7-7700T: 9,288

Networking

(8) 1GbE M12 PoE Ports (IEEE 802.3af/802.3at)

Expansion Slots

(2) Full-size PCIe Mini Card Slot, (2) USB/PCIe External SIM Socket, (2) Half-size PCIe Mini Card Slot

I/O Ports

(4) USB 3.0, (2) DB-9 or RS-232/422/485, (5) Antenna Openings, (1) Terminal Block 6-in/2-out DIO

Video Outputs

(1) HDMI, (1) DVI-D, (1) VGA

MECHANICAL

Form Factor

Small Form Factor

Power Supply(s)

(1) 24V 120W External (10 - 30VDC)

Operating Temperature

(Min) -40°F - (Max) 158° F [(Min) -40°C - (Max) 70° C]

Operating Humidity

0 ~ 95% (non-condensing)

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

EN 50155 EN (IEC) 61373 Category 1 Class B, Half-sine pulse, 5g, 30ms (longitudinal direction), 3g, 30ms (vertical/transverse direction) compliant

Vibration Endurance

3 Grms with SSD (5 to 500 Hz, X, Y, Z direction; random, operating)
MIL-STD-810G: Method 514.6C-VL Category 4 Compliant
EN 50155 EN (IEC) 61373 Category 1 Class B Compliant

Dimensions (WxDxH)

11.02" x 8.27" x 3.91" (280mm x 210.5mm x 99.2mm)

Max. Weight

12.65 lbs. (5.74 kg)

Certifications

CE (Class A), FCC Class A, EN 50155, ISO 7637-2 Compliant, IP30

Warranty

3-Year Advanced Replacement

Manufacturer

BCDVideo

STORAGE

Hard Drive Bays

(1) Half-Sized mSATA Slot & (4) 15mm 2.5" Drive Bays

Hard Drives Supported

SATA

RAID

Software RAID 0, 1, 5, 10

Maximum Storage

Up to 20TB HDD, 2TB SSD