

# CIP-5316-JBOD

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**BOSCH**  
Invented for life



- ▶ Expandable storage capacity of CIP5000 series storage
- ▶ Support up to 16 SATA drives
- ▶ Field replaceable SAS JBOD I/O modules
- ▶ 3U-16 form factor featuring hot-swappable drive bays
- ▶ Bosch standard 3 years warranty

CIP-5316-JBOD is a robust storage JBOD expansion that serves as a building block to provide reliability and flexibility in a cost effective package, which is simple to administer and meets the demands of your application.

The JBOD expansion expands CIP5000 series storage via cascading SAS connection. Multiple JBOD units can be used with CIP5000 series storage units.

## Functions

### Redundant power supplies

The JBOD expansion is equipped with redundant power supplies.

The advantage of power supplies is that should one fail, the other continues to power the subsystem until the faulty one can be replaced. Additionally, the power supplies are hot-swappable, which enables you to leave the subsystem running when you replace the one that failed.

### Reduce power and cooling costs

The JBOD expansion utilizes environmentally friendly production methods and materials as well as a high-efficiency design that saves energy.

The JBOD expansion improves total cost of ownership by conserving power, reducing heat output and improving cooling costs.

## Certifications and approvals

Region	Regulatory compliance/quality marks
Europe	CE EC_Declaration_CIP5000

## Installation/configuration notes



### Notice

#### Environmental conditions

Install the system in a clean, dust-free, dry and weather-protected area that is well ventilated. Avoid areas where heat, electrical noise and electromagnetic fields are generated.

The standard warranty coming with the system will be void if evidence is seen that the system was exposed to conditions contradicting the environmental conditions mentioned here.

**Notice**

Uninterruptible Power Supply (UPS). We strongly recommend using an “Online UPS” with an always active battery. The UPS must support Microsoft Windows Storage Server 2016 and must be sufficient to allow time to bring an auxiliary power source on line, or to properly shut down the disk array(s).

**Notice**

Bosch is not liable for system failures of units equipped with third-party hard drives if the third-party hard drives are source of the issues. Such drives are not covered by the 3 years warranty.

**Parts included**

Quantity	Component
1	JBOD storage enclosure
2	1.83 m (6 ft) power cord
1	Sliding rail assembly for rack mounting
1	SFF-8644 external SAS cable
1	DB9-to-RJ11 serial data cable
1	Quick installation guide

**Technical specifications****Storage**

Drive support	• Up to 16 3.5” drives
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	• 6 Gb SATA HDD
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External I/O ports	Single, IN/OUT 12G SAS-wide port over SFF-8644 per controller
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**Electrical**

Power supply	CRPS 550 W
Voltage	AC: 100 - 240 VAC; DC: 180 - 320 VDC Auto-Ranging
Current	< 8 A@100 - 240 VAC@full load; < 8 A@180 - 320 VDC@full load
Power conversion efficiency	>80% @ 110 V (>20% load); >80% @ 240 V (>20% load)

**Mechanical**

Dimensions	131 mm x 446.7 mm x 507 mm (5.2 in. x 17.6 in. x 19.96 in.)
Weight	17.08 kg

**Environmental**

Operational temperature	+5 °C to +35 °C
Non-operational temperature	-40 °C to +60 °C
Operational humidity	20% to 80% , non-condensing
Non-operational humidity	~ 95%, non-condensing

**Ordering information**

**CIP-5316-JBOD Storage JBOD, 3U, 16-Bay, W/O HDD**  
Storage expansion  
Order number **CIP-5316-JBOD**

**Represented by:**

**Europe, Middle East, Africa:**  
Bosch Security Systems B.V.  
P.O. Box 80002  
5600 JB Eindhoven, The Netherlands  
Phone: + 31 40 2577 284  
emea.securitysystems@bosch.com  
emea.boschsecurity.com

**Germany:**  
Bosch Sicherheitssysteme GmbH  
Robert-Bosch-Ring 5  
85630 Grasbrunn  
Germany  
www.boschsecurity.com

**North America:**  
Bosch Security Systems, Inc.  
130 Perinton Parkway  
Fairport, New York, 14450, USA  
Phone: +1 800 289 0096  
Fax: +1 585 223 9180  
onlinehelp@us.bosch.com  
www.boschsecurity.us

**Asia-Pacific:**  
Robert Bosch (SEA) Pte Ltd, Security Systems  
11 Bishan Street 21  
Singapore 573943  
Phone: +65 6571 2808  
Fax: +65 6571 2699  
apr.securitysystems@bosch.com  
www.boschsecurity.asia