



# Synchronization Distribution Panel

The BlueCats Synchronization Distribution Panel (SDP) provides power, timing synchronisation, and Ethernet connectivity to a network of BlueCats readers.

The SDP includes eight reader ports. Each reader port can provide power for up to three connected BlueCats readers, supporting 24 readers in total.

Each of the SDP's reader ports connect to the Network port internally, allowing readers linked to the SDP to transmit information to BlueCats Loop. The network connection also supports connecting and synchronising multiple SDPs together for increased coverage.



## Benefits



### PRECISE

- Timing calculations provide best-in-class accuracy



### SCALABLE

- Reduce cabling homeruns with chains of readers on one SDP
- One ethernet cable provides power and data sync

### For What

- Real-time, 2D tracking

### Works Great With

- Loop Local
- BC2111 (Vertical)
- BC2111 (Asset)
- BC2112

### For Who

- Warehousing
- Manufacturing
- Supply chain logistics
- Healthcare
- Hospitality
- Retail
- Sports



## Specifications

### MECHANICAL

<b>Dimensions</b>	With rubber feet: 54.8 mm (H) × 219 mm (W) × 406.4 mm (D) Without rubber feet: 43.8 mm (H) × 219 mm (W) × 406.4 mm (D)
<b>Weight</b>	1.86 kg
<b>Mounting options</b>	19 in. rack mount, table top, or wall/column mount

### POWER

<b>Power supply</b>	Input: 100–240 VAC, 50/60 Hz Line Harmonic Emissions: meets EN61000-3-2, Class A, B, C, D Safety: thermal and power overload protection
<b>Input power</b>	9 W (no sensor load) 140 W (24 sensor load)
<b>AC power connection</b>	IEC C14 power receptacle (mating power cord should have IEC 320-C13 plug with approved regional connector at other end of cord)
<b>Fuse</b>	250 V IEC Slow 5X20 mm 4A; Littelfuse 0218004.HXP or equivalent

### ENVIRONMENTAL

<b>Operating temperature</b>	–20°C to +50°C
<b>Storage temperature</b>	–40°C to +60°C
<b>Relative humidity</b>	Up to 95%, non-condensing

### DEVICE

<b>I/O Ports</b>	8 sensor ports 1 network port, 10/100 BaseTx Ethernet compatible
<b>Sensor port capacity</b>	Up to three readers per port (24 total) powered by SDP
<b>Max cable length</b>	100 meters maximum from SDP to last sensor in chain

### CERTIFICATIONS

cTUVus:	<ul style="list-style-type: none"> <li>CAN/CSA C22.2.60950-1: 2011</li> <li>UL 60950-1: 2011 (2nd Ed.)</li> </ul>
CB Scheme per IEC 60950-1:2005 +A1:2009	
AC:2012 FCC Part 15 (Class A) RoHS	

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