

Flexible U-Space Detection Module | OM-UD-A241



The OM-UD-A241 is a flexible U-Space detection module designed for precise asset management in 42U server cabinets. It communicates via TTL interface with the U-Space detection interface module, ensuring seamless integration into existing asset tracking systems. Built-in LED indicators provide clear visual confirmation of U-Space usage status at a glance, enabling quick inventory assessment. Delivering 100% detection accuracy, the module ensures reliable asset tracking with zero errors. High reliability is demonstrated by an MTBF exceeding 5,000 hours, while rapid maintenance is supported with an MTTR of less than 0.5 hours. For larger installations, a 52U variant is available for monitoring full 52U cabinets.

Specifications

Upstream Interface

Connector Type	1 x Type-C
Communication	TTL

Physical Features

Color	Black
Fixing Method	Magnetic attachment
Flexibility	Flexible design for curved installation

Power Supply

Voltage	DC 5V (supplied by interface module)
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Label Contact

Contact Method	Magnetic + contact pins
Label Reading Method	Two-wire system

Indicators

Per U-Space	1 x dual-color LED (blue/red) for status indication
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Operating Environment

Operating Temperature	-10°C ~ 50°C
Operating Humidity	5% ~ 95% RH (non-condensing)

Mechanical Specifications

Dimensions (per U-Space)	44.5 mm × 20 mm × 8 mm (±0.5 mm)
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