

U-Space Tag | OM-UD-C101



The OM-UD-C101 is a U-bit tag designed for precise asset tracking in server cabinets and data center environments. It connects asset strips to servers and other IT equipment, enabling accurate U-position detection and management. The tag communicates via TTL interface with the U-bit detection interface module for seamless integration. Each tag supports QR code scanning or card reader input for efficient asset ID acquisition. Built-in LED indicators provide clear visual confirmation of U-bit usage status. Delivering 100% detection accuracy, it 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

Power Supply

Voltage 5V DC (supplied by asset strip)

Identification

Reading Method Two-wire system

Tag ID 8-bit, read-only after factory programming

QR Code 10mm × 10mm, contains electronic tag ID

Physical Connection

Connection Method Magnetic + contact pins

Connection Tether Black, 200 mm length (±2 mm)

Mechanical Specifications

Dimensions (Diameter × Thickness) 17 mm × 9 mm (±0.5 mm)

Mounting Method Asset strip end: magnetic; Asset end: adhesive

Operating Environment

Operating Temperature -10°C ~ 55°C

Operating Humidity 5% ~ 95% RH (non-condensing)