

# U-Space Detection Interface Module | OM-UD-B100



The OM-UD-B100 is a compact interface module designed for U-Space asset management systems, serving as the connection bridge between asset strips and the U-Space Controller. It features one downstream Type-C interface for connecting a single asset strip and one upstream RJ45 port for linking to the U-bit management host. Two integrated RJ45 ports support daisy-chain connections with multiple modules, enabling scalable deployment. Each RJ45 interface combines both power and communication, significantly simplifying wiring requirements. Built-in system and communication status LEDs provide clear visual indication of operational status at a glance.

## Specifications

<b>Managed U-Space Capacity</b>	40U ~ 52U
<b>Communication Interface</b>	
Upstream	2 x RJ45 ports (one for daisy-chain connection)
Downstream	1 x Type-C port for asset strip connection
Communication Protocol	Modbus RTU
<b>Asset Strip Connection</b>	
Interface Type	Type-C
<b>Power Supply</b>	
Recommended Voltage	12V DC
Supply Range	9 ~ 16V DC
Power Consumption	≤ 0.15W
<b>Indicators</b>	
Status LEDs	System and communication status
<b>Installation</b>	
Mounting Method	Magnetic attachment
<b>Operating Environment</b>	
Operating Temperature	-10°C ~ 50°C
Operating Humidity	5% ~ 95% RH (non-condensing)
<b>Mechanical Specifications</b>	
Color	Black
Dimensions (L × W × H)	63 mm × 42.2 mm × 23 mm (±0.2 mm)