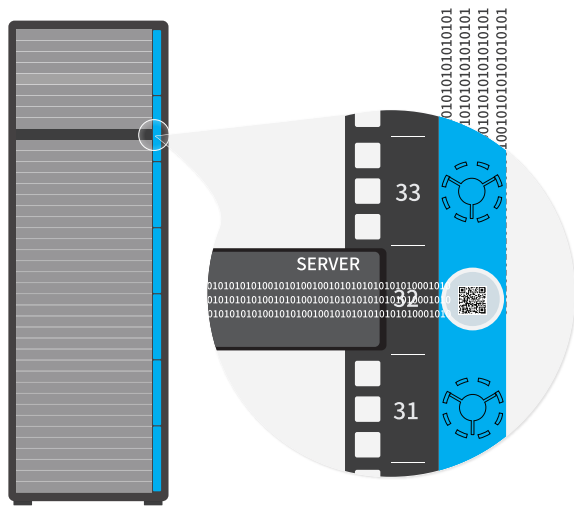


U-level Asset IoT Module (5th Generation)



Introduction

Digitalor 5th generation asset IoT module is the world's first U-level asset IoT module using MC-RFID (Magnetic signal Controlled RFID) technology. It thoroughly resolved the management pain points including U-level asset positioning and asset data accuracy, and it has perfect environment adaptability in data center. U-level IoT system will help data center tremendously simplify operational procedures, reduce cost. U-level IoT system is the best option for automated data center management.

Application

➤ Automated data center RU resource management and IT asset management.

Function List	B5 Version	P5 Version	D5 Version
U-level Asset Positioning	✓	✓	✓
RU Resource Management	✓	✓	✓
Asset Change Monitoring	✓	✓	✓
Automated Asset Audit	✓	✓	✓
RU Status Indicator	✓	✓	✓
Offline Event History	✓	✓	✓
Maintenance Free	✓	✓	✓
10+ Years Lifecycle	✓	✓	✓
100% Data Accuracy	✓	✓	✓
Bracket-free Installation	✓	✓	✓
Support Rack Environment Monitoring	✓	✓	✓
Online Tag Writing	✗	✓	✓
Offline Management Functions	✗	✓	✓
Rack Virtualization	✗	✓	✓
Asset Virtualization	✗	✓	✓
Asset Change Planning	✗	✓	✓
Intelligent Overload Warning	✗	✗	✓
Customization	✗	✗	✓

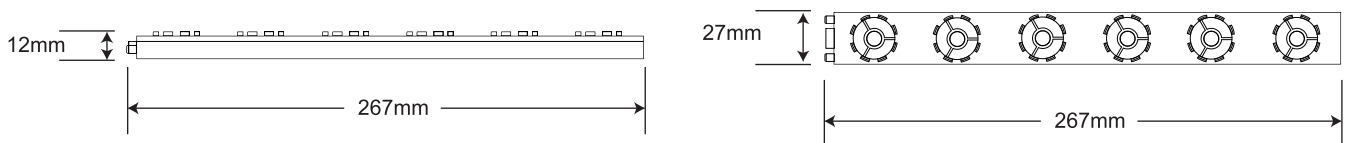
* Rack environment monitoring needs extra sensors.

Specifications

Model	SmarRack-42U B5/P5/D5	Working Temp	-10°C~+55°C
Input Voltage	12V	Working Humidity	5%~95%RH
Input Current	≅ 210mA	Power	≅ 1.2W
Data Port	RJ45	Fire-proof	UL94-V0
Communication	Modbus RTU	Protection	IP50
Working Mode	NFC	Material	PC
Positioning Mode	Magnetic Pointing	Certification	FCC CE

Dimensions

42U module group is joint by 7pcs of 6U modules. The dimensions of 6U module is below. None-42U module group can be joint by the combination of 6U and 5U modules.



U-level IoT Tag

Product	U-level IoT Tag	U-level + Anti-theft Tag	U-level + Room-level Tag
Design			
RFID	13.56MHZ	13.56MHZ	UHF:840-960MHZ HF:13.56MHZ
Standard	ISO/IEC14443 A	ISO/IEC14443 A	ISO / IEC14443 A ISO / IEC18000-6c
Responsive Time.	≅ 0.2s	≅ 0.2s	≅ 0.2s
Overwrite	>100,000 times	>100,000 times	>100,000 times
Lifespan	>10 years	>10 years	>10 years