MS5 Series Specs

Introducing the MS5 SmartBox, your reliable partner for business key management! This IoT key locker system streamlines control over your organization's keys, permitting authorized access only. With real-time connectivity and a cloud-based app, you and your team can remotely manage keys anytime, anywhere - keeping your operations running seamlessly 24/7.

MS5 Base Station Specifications

Physical Specifications	
Dimensions	11.4" W x 23.3" H x 4" D (29 cm W x 59 cm H x 10 cm D)
Weight	15.3 lbs (6.9 kg)
Mounting	Wall mount with steel backplate into studs. Secured to the backplate with an electronic lock. Drywall install kit included.
Material	Precision molded polycarbonate chassis with steel wall reinforcements, diecast metal doors, and 16 gauge dual steel plate mounting and masterlock structure
Ingress Protection	IP52 / Weather-resistant IP56 with Outdoor Enclosure
Colour	Graphite with obsidian accents
Key Bins Available	9
Bin Inside Dimensions	2.25" W x 1.75" H x 3.5" D (5.7cm W x 4.5cm H x 9cm D)
Operating Environment	5° to 55°C at 95% non-condensing relative humidity when connected to AC power. Suitable for indoor use and may be installed outdoors if protected from direct elements using the Outdoor Enclosure. The SmartBox is weather-resistant but must not be placed in the open exposed to direct rain or snow.

Battery and Power	
Power	Input: 4 ft (122 cm) USB-C 5V DC 3.15A max. Idle current draw: 1A.
Backup Power	3500 mAh Li-ion battery backup system. Failsafe module with independent power supply.
Power Consumption	1A@5V (5W)

Compute Module	
Memory	4GB RAM, 8GB eMMC storage

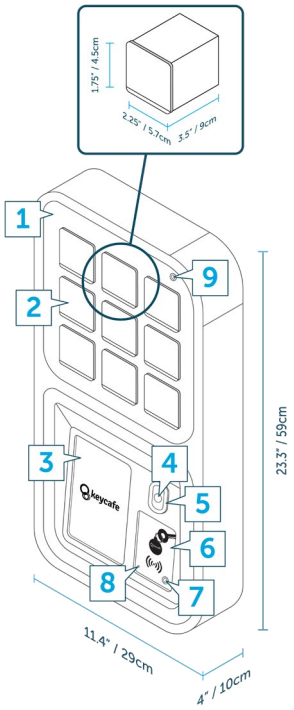
Interface	
Display	7" 800x480 px multi-touch capacitive display.
NFC Scanner	13.56 MHz RFID/NFC reader
Motion Sensor	Optical Sensor up to 157" (4m)
LED Ring	RGBW
Camera	5MP sensor capable of 1080p resolution, fisheye lens for 160 degree angle of view
Microphone	100 Hz ~ 10 kHz Analog MEMS Microphone (Silicon), -42dB ±3dB @ 94dB SPL
Speaker	680 Hz ~ 20 kHz, 8 Ohms
Key Tracking	32mm NFC fobs, optional fobless workflow

Communications	
Connectivity	WiFi: 2.4 and 5.0 GHz IEEE 802.11 b/g/n/ac. Ethernet: Gigabit PHY supporting IEEE 1588. Cellular: Optional conversion kit available with global SIM that operates on 470+ carriers in 200+ countries.

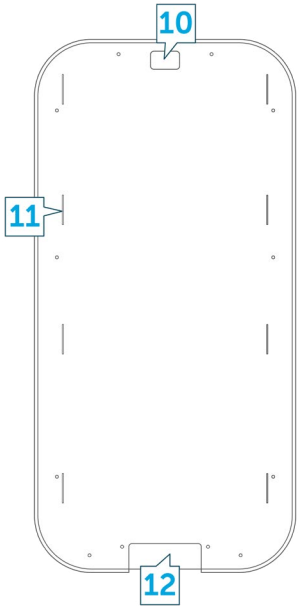
Compliance	
Certifications	CSA, FCC, CE, RoHS, and Giteki

In the Box	• MS5 SmartBox • USB-C Power supply • 10 NFC fobs • Backplate mounting kit for drywall

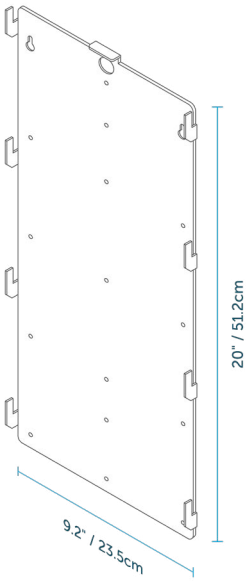
MS5 Base Station Hardware



Front



Rear



Backplate

1. Chassis
2. Key Bins
3. Touch Screen
4. Camera
5. LED Ring
6. NFC Scanner
7. Reset Button
8. LED Status Indicator
9. Failsafe Sensor
10. Electronic Lock
11. Backplate Mounting Slot
12. Electrical Ports