

Contactless Payments. Innovative Design.

A complete M2M telemetry and contactless payment solution ideally suited for unattended machines in various applications.

- ▶ Contactless device for use with debit, credit & prepaid cards, and mobile NFC payment transactions
- ▶ Attractive, compact design to fit smaller machines
- ▶ For use in closed and open environments



1 Part of a complete solution

- ▶ Seamlessly integrated with telemetry, cashless clearance, monitoring, management and BI
- ▶ Monitor machines in real-time with continuously updated information on all aspects of operation
- ▶ Inventory, cash monitoring, alerts and reports

2 Intuitive User Interface

- ▶ Bright and colorful graphical capabilities
- ▶ Touch Screen
- ▶ Voice interaction, in local language
- ▶ Any language display capabilities
- ▶ Tone and loudness controlled buzzer
- ▶ LED lighting indicate processing
- ▶ Built-in camera

3 Streamline your operation

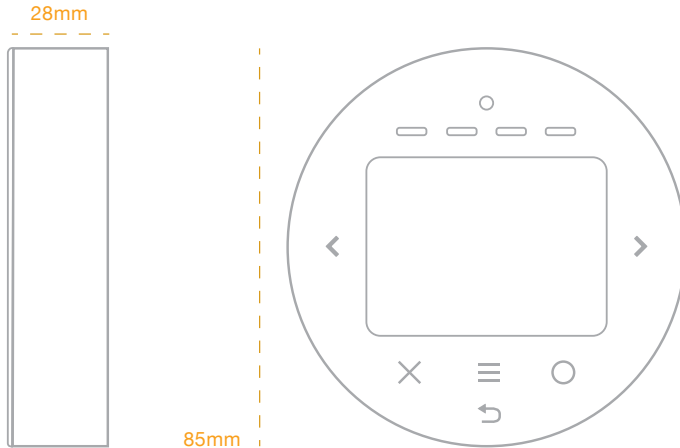
- ▶ Switch to operation mode to monitor visits
- ▶ Applicable to all automated machines

4 Plug and Play

- ▶ Remote capabilities & software updates
- ▶ Durable and highly secured to prevent vandalism
- ▶ Easy to install

Onyx

Compact, eye-catching, contactless payment & telemetry device



Payment solution for the unattended automated machine operators.

Benefit from simple & easy installation, clearance, and innovative design.

Installation Environment	
Operating Temperature	-20°C to +55°C / -4°F to +131°F
Storage Temperature	-30°C to +85°C / -22°F to +185°F
Humidity	25% to 95% (non-condensing)
Dust & Water Resistance	IP 55

Physical Dimensions	
Diameter	85 mm / 3.3 inch
Depth	28 mm / 1.1 inch

Interface & Management	
Display Screen	Color Touch LCD display 2.4 inch IPS ; 320 x 240 pixels + 4 LEDs + 6 soft touch buttons
Audio	Speaker + Buzzer
Power Supply	12- 24 Volt AC or 12-42 Volt DC; 5 Watts
Power Consumption	Recommended External Power Supply: 24V DC / 2Amp
RF Contactless Interface	Frequency - 13.56 MHz, MIFARE, NFC
Glass	Anti-Vandal with Dragontrail Glass
RS232	2 * RS232
Pulse Input/Output	6 In/out + 1 input (Inhibit)
LAN	RJ45 on cable
Sensors support	1 Door open & 1 Temperature
Cellular	3G / 4G
Vending Machine Protocols	MDB /DEX / DDCMP / Pulse / VCCS / ccTalk / JVMA

Payment Support	
EMV Level 1, 2	Discover D-Pass 1.0
Visa PayWave 2.1.3c	UnionPay QuickPass 1.0.2
MasterCard PayPass 3.1.1	AmEx ExpressPay 3.1
JCB - J/Speedy 1.3	Interac Flash 1.5

Other Cards Supported
NFC
MIFARE
HID-iClass

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