PAX IM20

All-in-one Unattended Payment Terminal

Exceptional Performance

The IM20 has a high performance ARM A7 processor, abundant memory capacity and operates smoothly with a Prolin operating system.
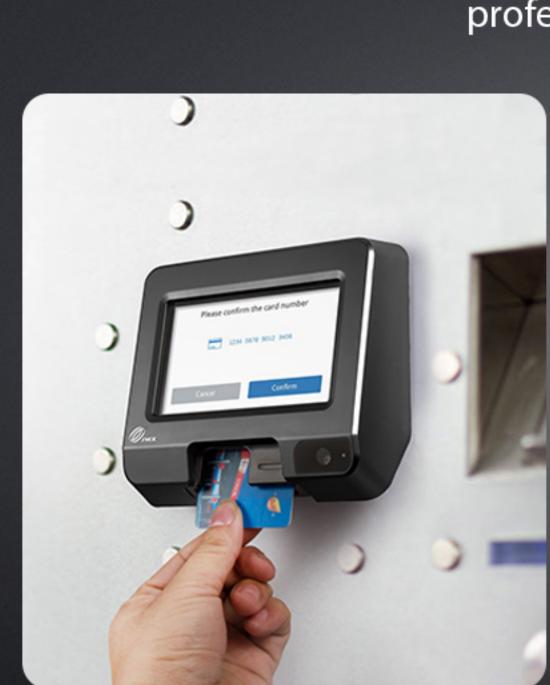
Large Display

The 4.3-inch color touchscreen with 480 x 272 pixels delivers stunning viewing experience.

Accept All Kinds of Payments

The payment module supports Chip & PINs, magstripe NFC contactless, and has a professional scanner for QR code payments.

PCI PTC 6.x certified | EMV LI & L2 | PayWave L2 | PayPass L2 | MasterCard TQM | FCC

Communication Box

Add a communication box, CM20, for better connectivity: (4G/3G) and connectivity (USB/RS232).

Scenarios

(pictures) Vending machine, kiosk, gas station, ticketing, drive-thru, self-charging station.

Technical Specifications

Display
4.3-inch TFT Color Display
480 x 272 pixels Touchscreen

Communications
Wi-Fi® 2.4GHz + Bluetooth® + Ethernet

Card Readers
Magnetic Card Reader
Smart Card Reader
Contactless Card Reader

SAM Slots
3 x SAM

Peripheral Ports
1 x USB Device
1 x RS232
1 x MDB
1 x LAN

Processor
Cortex-A7

Power
5.0V DC, 2.0A (via USB)
9V-45V DC (via MDB)

Camera
0.3 Megapixel Fixed Focus Front Camera Reads 1D & 2D Codes

Certifications
PCI PTS 6.x, SRED, EMV L1 & L2, EMV Contactless L1, Visa payWave, MasterCard payPass, American ExpressPay, MasterCard TQM, Discover D-PAS, Interac_Flash L2, JrSpeedy L2, CSEC, APCA, UL, CE, FCC, Anatel, CCC, RoHS, IC

Memory
256MB DDR + 128MB Flash

Physical
W x H x D (mm): 140 x 122 x 73
Weight (g): 491g

Keypad
Virtual Keyboard on touch screen

Environmental
-20°C ~ 70°C (-4°F ~ 158°F) Operating Temperature
-30°C ~ 70°C (-22°F ~ 158°F) Storage Temperature
5% ~ 95% Relative Humidity, Non-condensing

CM 20 Communication Box (Optional)

Peripheral Ports
1 x USB Host
1 x USB Device
1 x RS232
1 x DC Jack in
1 x LAN
2 x SMA
1 x SIM
1 x Digital I/Os

Communications
3G/4G (optional) | Wi-Fi® 5GHz (optional)

Physical
W x H x D (mm): 88 x 96 x 26
Weight (g): 204