



PP190

Hand Held Contactless PINpad Reader



The PP190 provides USB and RS-232 interfaces. It has sensing capability that automatically detects the appropriate interface type connectivity to the unit. The PP190 is a contactless reader with PINpad in a small, cost-effective package. The PP190 has a 128x64 graphic LCD display and 4 LEDs. The display can provide a message from the host and a visual response for users letting them know that their transactions were received.

Features and Benefits

The PP190 is a customer facing device that is used for banking, retail, QSR, and related applications. It conforms to PCI PTS 3.x and EMV Contactless Level1. It is fully certified with VISA payWave, MasterCard PayPass, AMEX ExpressPay & Discover D-PAS. It could be a customer facing device to TS890 or terminal. It's allow card holder to enter pin or tap contactless card onto PP190.



Retail



Banking



Hospitality

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Specifications

MECHANICAL

Weight:	Approx. .84 lb. (380g) L :152 mm x W: 82 mm x D: 36 mm
Material:	PC+ABS, 94V-0
Display:	Mono 128x32 Graphic with backlight; 4 LEDs
Keypad:	16 keys ; 3 programmable function key included ; backlight

ENVIRONMENTAL

Operating Temperature:	0°F to +104°F (0°C to +40°C)
Storage Temperature:	-4°F to +158°F (-20°C to +70°C)
Operating Humidity:	0% to 85%
Storage Humidity:	10% to 90%

AGENCY APPROVAL

FCC Class B / CE Class B / NCC

INTERFACES

RS232 and USB (Cable Selected)

ELECTRICAL

Processor:	32 -bit processor
SAM Module:	2 SAM module socket
Contactless:	All layers of ISO14443 Type A&B communication scheme Support the ISO18092 NFCIP-1 standard

POWER REQUIREMENTS

Input Voltage:	+5VDC+/-10%
Operating Current:	Idle mode: 300mA Operation mode: 410mA
Power Supply:	5v DC, 200mA (Typ)

CERTIFICATION

PCI 3.1 American Express® ExpressPay®, Discover®
Network ZipSM MasterCard® PayPass M/Chip™,
Visa® payWave qVSDC

ACCESSORIES

Host interface cables
Power adapter (Option for RS-232 model only)



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