

eKrypto™ PINphab

The eKrypto™ PINphab is a PCI PTS POI 5.0 compliant customer facing identification system. The customer inserts his debit or credit card, using a combination of magstripe and/or EMV chip and PIN, allowing his profile to launch on the teller screen — or granting him access to self-service operations. Fingerprint and electronic signing options can be useful options as a secure alternative to PIN for users less comfortable with the PIN approach.

The PINphab is feature rich, flexible and extremely compact in size. Usage is very intuitive and easy for customers to understand, keeping lines moving. The touchscreen is forward facing for user prompts and possible display of contract terms and e-signature applications; moreover, it can be used for digital signage applications when idle. Vertical chip card insertion located near the teller makes the unit unnatural for a hacker to spoof, and therefore more secure.

Further features include full height privacy shield for secret PIN entry, vertical stylus holder slot, sloped ergonomic signing surface. The PINphab can include custom housing colors and customer logos.



Dimensions (L x W x H)	7.5 x 6 x 2.4" (191 x 153 x 62 mm), integrated privacy shield (no need for additional shield)
CPU	Freescall i.MX7 Dual ARM, Cortex-A7 SoC, 1GHz
Co-Processor	ARM Cortex-M4, 200MHz
RAM	Up to 1GB DDR3L-1066
Storage	8GB expandable to 64GB on-board eMMC
Keypad	16 Tactile Keys, 5 million ops, long travel, audio feedback PIN Verification (Online / Offline) with Smart or Magnetic Card
Smart Card Reader	8 contacts, 500,000 insertions, standard ISO 7816 Chip Card interface, 3v3 and 5v Chip Card support, EMV approved
Magstripe Reader	PCI SRED compliant, 3 track, encrypting (PCI compliant), 1M passes
Display	Linux 4.3" TFT display, 480x272 px, active area 3.74 x 2.13" (95 x 54 mm) 4-wire resistive touchscreen supporting Linux apps, capacitive touchscreen option
Network (optional)	Dual-band 2x2 Wi-Fi, 802.11a/b/g/n, Bluetooth 4.2 BLE
Power	USB 5v/500mA power supply
USB	1x USB2.0 OTG host interface
OS	Linux Kernel 4.1.15
Security	PIN Verification PKI Enabled (Up to 4096 bits) 3DES Enabled, AES Enabled Secure Remote Key Loading Tamper Responsive Housing
Options	Wi-Fi / Bluetooth as host interface EMV L2 Contact and Contactless Kernels available on request Contactless card reader: NFC, ISO 14443, Mifare, Mastercard Contactless, Visa Contactless support Fingerprint Sensor for Biometric Identification – FIPS-201 Fingerprint Capacitance External 5.0V/3A power supply [Housing Color & Client Logo Printing Options]