

Nomad m20

EMV Chip & PIN Programmable mPOS Reader



Nomad m20 EMV chip & PIN device is powered by a flexible Linux Operating System.

Nomad m20 is a pocket-sized, memory-rich and powerful card reader that supports chip & PIN, chip & signature and magnetic stripe payment technologies. It is EMV-certified to accept both contact and contactless payments.

A secure Linux Open Platform and easy-to-use SDK toolkit facilitate rapid development of full-feature mPOS value-add applications that complement certified payment functionality developed using our CorePay SDK.

Nomad m20 employs universal Bluetooth connectivity and proven PTS-P2PE compliant SRED technology to facilitate a secure and reliable end-to-end solution in mobile POS environments. Its robust security framework and seamless key loading process help reduce PCI scope and deliver peace of mind when part of an overall PCI-validated point-to-point encryption solution.

The compact device pairs with smartphones and tablets via Bluetooth or micro-USB, making it a great fit for all mPOS retail applications, whether at the check-out, in the aisles or on the road. A flexible and robust device management system supports remote key loading and firmware updates.

Features at a Glance:

Accept All Card Types

Enables merchants to accept EMV chip & signature, EMV chip & PIN and mag-stripe payments.

Certified Contactless Payments

Supports all types of digital wallets and contactless payments.

Powerful Development Environment

Secure Linux Open Platform facilitates rapid development of mPOS applications.

Robust Security

Secure Reading and Exchange of Data (SRED) facilitates reduced PCI scope from the earliest point in the transaction lifecycle when part of a PCI-validated P2PE solution.

Remote Support

Firmware updates and key injection can be supported via secure remote over-the-air communications, making application upgrades a breeze.

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Nomad m20 Product Specifications

Color	Black	Certifications	Security & EMV Certifications EMV Level 1&2 PCI PTS 4.x SRED Contactless Certifications PayPass, payWave, Apple MFi ApplePay supported MPOS Certifications MasterCard Mobile POS, VISA Ready Quality/Regulatory Certifications MasterCard TQM, CE, RoHS
Dimensions	Length: 118 mm Width: 70 mm Height: 18 mm Weight: 110 grams	Card Readers	Bi-directional triple-track MSR (1, 2, 3) ISO 7816 chip card reader ISO 14443 Type A/B contactless card reader
Memory	64MB Flash & 32MB LPDDR4M	OS Support	Android, iOS, Windows Mobile
Display	Monochrome 128x64 pixels LCD with backlight	Lifetime	500,000 smart card insertions 500,000 magnetic stripe swipes
Power & Charging	Micro USB 1250mAh Lithium Polymer, 400+ transactions per charge Docking station/battery charging option	Warranty	12 month
Communication Ports	Bluetooth 2.1, micro USB, USB docking interface		
Key Management	DUKPT, MK/SK		
Encryption Algorithm	RSA, TDES, DES		