NCR Personas™ M Series 86

Specification

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Product dimensions	
Height	49.5" (1,257mm)
Width	32.1" (815mm)
Depth UL safe CEN safe Standard sleeve Standard sleeve (drive-up) Short sleeve Short sleeve (drive-up)	32.9" (835mm) 34.2" (868mm) 15.5" (394mm) 13.8" (351mm) 11.1" (282mm) 9.4" (239mm)
Weight UL safe CEN Safe	1,841lbs (835kg) 2,492lbs (1,130mm)
Fascia Height Height (drive-up) Width	20.1" (510mm) 23.3" (592mm) 23.6" (600mm)
Description Exterior locations	Multi-function ATM suitable for through-the-wall, drive-up (kiosk and first lane through-the-wall), or vestibule

Customer interface

Display

12.1" (307mm) SVGA sunlight readable color LCD with autoscaling capability

12.1" (307mm) SVGA standard color LCD with autoscaling capability

Optional display privacy filter

Optional interior and exterior touchscreen

8 tactile function display keys

Keyboard

Ruggedized tactile 16 key

Secure EPP (Encrypting PIN Pad): supports Triple DES and Remote Key Management

Complies with ANSI A117.1-1998 layout guidelines

Optional alphanumeric keyboard

Card reader

DIP

Smart DIP: supports smart cards

IMCRW (Integrated Motorized Card Reader Writer): option to support smart cards

CROPF (Card Return on Power Fail)

Barcode reader

Public & private audio

Optional high quality sound, or sound jack with volume control

Media Entry & Exit Indicators (MEEI)

For enhanced security and ease of use

Camera

Optional NTSC, PAL or third party camera

Advertising panel

Color customization

Dispenser

2, 3 or 4 denomination options with bunch, retract and purge capability

NCR multimedia cassette with 11.6" (295mm) capacity

Optional tamper indicating cassettes

Optional dual dispense

Optional coin dispense

Deposit

Cash Acceptor

Accepts and validates up to 100 notes per transaction

Up to 50 note denominations per template including polymer

Remote download of currency templates

Storage up to 3,400 notes

Returns notes held in escrow if transaction cancelled by customer

ECB Article 6 compliant

Proof of deposit with cash totals via ATM receipt

iTRAN 1000 Check Processor

Check and credit slip processing

True MICR read of E13B or CMC7 code line

High quality front and rear imaging of documents

Rear endorsement printing either single line or multi-line

Optional CAR/CAV/LAR

Separate enclosures for cash and checks

Proof of deposit with check image via ATM receipt

Envelope depository

Optional envelope dispenser

Business depository

Envelope or bag deposit accessed through the ATM or keylock

Proof of deposit via ATM receipt with card

Printers

Receipt printer
40 column graphics thermal printer

Optional sideways feature allows 80 column x 20 row mini-statement

Journal printer
40 column graphics thermal or dot matrix printer

Statement printer
80 column letter quality thermal printer with document capture

Optional full graphics

Optional 4" (101.6mm) bunching capability

Passbook printer
Page-turning passbook feature for horizontally stitched books

Combined statement and passbook printer with document capture

Security

Secure EPP: certified as meeting the requirements of ISO 9564-1, ISO 13491-1 and ISO 13491-2

Smart DIP card reader: certified to EMV 3.1.1 Level 1

IMCRW card reader: certified EMV 3.1.1 Level 1 and EMV 4.0 Level 1

Fraud countermeasures
ECRS (Enhanced Card Reader Surround)

Options include: ECD (Enhanced Card Drive or 'Jitter'), illuminated MEEI in the card reader throat and ESS (Enhanced Shutter Security)

Fluiditi™
Optional ink staining for enhanced security

Safes
UL291 Level 1
CEN   Grade 3
CEN   Grade 4

Accessibility

- **USA ADA Accessibility Guidelines for Buildings and Facilities (ADAAG)**
Subject to customer compliance with NCR Site Preparation and Installation Guidelines, the Personas M Series complies with **ADAAG sections 4.34.2, 4.34.3 and 4.34.4** (as amended through September 2002). Of the remaining portions of ADAAG specifically addressed to automated teller machines, section 4.34.1 addresses the route on which the product is placed and not aspects of the product itself and section 4.34.5 is a performance standard that does not specify how to achieve or measure compliance and therefore NCR does not offer guidance as to such compliance.

- **AS3769-1990 - Australian Standard for Accessibility**
With minor exceptions, the Personas M Series produced for sale in Australia complies with this standard

- **Access to ATMs: UK Design Guidelines 2002**
With minor exceptions, the Personas M Series produced for sale in the UK conforms with these guidelines

- **CAN/CSA B651.1-01**
With minor exceptions, the Personas M Series produced for sale in Canada complies with this standard

Environmental

Temperature
-31°F to 122°F
(-35°C to 50°C)

Humidity
10% to 100%
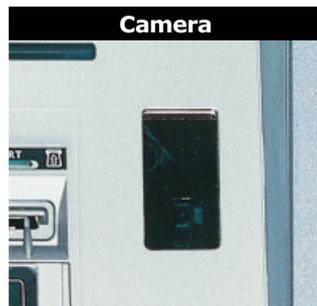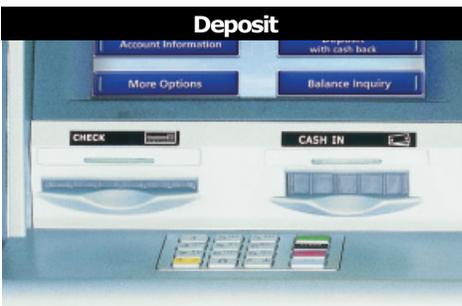
Acoustics
Sound power 55dBA idle, 60dBA operating

Sound pressure 55dBA operating

Operating platform

Intel® Pentium® III

Intel Pentium 4

Optional CD-ROM or DVD-ROM

| Deposit | Camera | Touchscreen | Encrypting PIN Pad |

What is the Personas M Series 86?

The Personas M Series 86 is a multi-function ATM for exterior locations, delivering a comprehensive range of account services to your customers at their convenience.

NCR's Personas M Series brings to market a set of flexible, upgradeable and configurable ATMs designed on a single platform. The Personas M Series 86 delivers a highly configurable range of transactions and enables your customers to access their cash 24 x 7. This multi-function ATM optimizes the migration of high volume, low commercial value transactions from the teller to the self-service channel, improving branch efficiency and increasing consumer satisfaction.

Configuration options on the Personas M Series 86 are vast and include cash accept, cash dispense, double capacity cash dispense, check accept, coin dispense, bill payment, statement print and/or passbook update. This ATM enables you to deliver a full range of account services to your customers any time, any place. The Personas M Series 86 makes your self-service channel more efficient, and cost effective, than ever before.

NCR's evolutionary design is evident at every level of the Personas M Series 86. The compact user interface is easy to use, integrated advertising panels, and large display allow you to promote your products, your brand and offers third party advertising opportunities. Designed to fit your existing through-the-wall aperture, the Personas M Series 86 removes the need for costly re-building work and lets you reuse advertising surrounds.

NCR aims to protect your investment through world-class usability and design and our continual investment in technological advancements. The flexible nature of the Personas M Series lets you introduce new functionality and keep pace with the changing business environment. The Personas M Series offers a high level of security and standards compliance. This includes countermeasures to ATM fraud, support for EMV, Triple DES and Remote Key Management and public and private audio.

The Personas M Series 86 - delivers cost savings for you and direct benefits to your customers.

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↗ Replenishment costs can be halved by doubling your dispensing capacity.

↗ Drive-up ATMs can generate up to 50% higher transaction volumes than walk-up.

↗ User-friendly design increases customer confidence, maximizing the volume of transactions you can migrate to your self-service channel.

↗ Protect your investment and upgrade the Personas M Series at your own pace.

Why NCR?

NCR ATMs set worldwide standards through technology innovation, understanding the user, the transaction and accessibility requirements - for those with special needs. Knowledge shared and experience gained from a global customer base underpins NCR's business-led approach, supported by proven technology and implementation methodology.

NCR is the thought leader in the area of security and standards compliance. NCR is committed to delivering holistic security solutions, working in collaboration with the industry to develop and implement best practice worldwide.

Trust NCR - over 25 years financial self-service experience, manufacturing over one third of the world's ATMs.