



NCR Personas™ M Series 86 Specification

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Product dimensions	
Height	1,257mm (49.5")
Width	815mm (32.1")
Depth	
UL safe	835mm (32.9")
CEN safe	868mm (34.2")
Standard sleeve	394mm (15.5")
Standard sleeve (drive-up)	351mm (13.8")
Short sleeve	282mm (11.1")
Short sleeve (drive-up)	239mm (9.4")
Weight	
UL safe	835kg (1,841lbs)
CEN Safe	1,130kg (2,492lbs)
Fascia	
Height	510mm (20.1")
Height (drive-up)	592mm (23.3")
Width	600mm (23.6")
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

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

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

Optional display privacy filter

Optional interior and exterior touchscreen

8 tactile function display keys

Keyboard

Ruggedised tactile 16 key

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

Optional alphanumeric keyboard

Card reader

DIP

Smart DIP: supports smart cards

IMCRW (Integrated Motorised 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 PAL, NTSC or third party camera

Advertising panel

Colour customisation

Dispenser

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

NCR multimedia cassette with 295mm (11.6") 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

Cheque 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 cheques

Proof of deposit with cheque image via ATM receipt

Envelope depository

Optional envelope dispenser

Proof of deposit with transaction detail via ATM receipt

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 101.6mm (4")
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
and GIECB

IMCRW card reader:
certified EMV 3.1.1 Level 1,
EMV 4.0 Level 1, GIECB
and ZKA

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

-35°C to 50°C
(-31°F to 122°F)

Humidity

10% to 100%

Acoustics

Sound power 55dBA idle,
60dBA operating

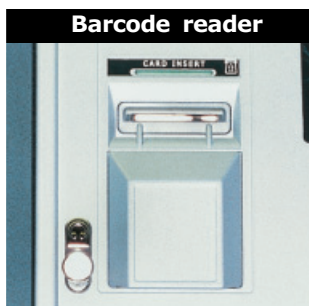
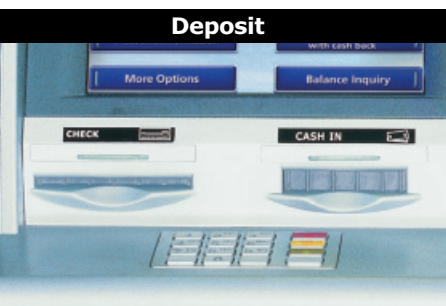
Sound pressure 55dBA
operating

Operating platform

Intel® Pentium® III

Intel Pentium 4

Optional CD-ROM or
DVD-ROM



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 optimises 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, cheque 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.

MORE RESULTS

- 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, maximising 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.



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NCR continually improves products as new technologies and components become available. NCR, therefore, reserves the right to change specifications without prior notice.

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All features, functions and operations described herein may not be marketed in all parts of the world. Consult your NCR representative for the latest information.

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