NCR Personas™ 90e

Specification

Product dimensions	
Height	1,450mm (57.1")
Width	1,181mm (46.5")
Depth	866mm (34.1")
Weight	1,350kg (2,976lbs)
Installation	Suitable for exterior free standing locations

Customer interface

Display
307mm (12.1") XGA sunlight readable colour LCD screen

Exterior touchscreen

8 tactile function display keys

Keyboard
Ruggedised tactile 16 key

Secure EPP (Encrypting PIN Pad)[1]: supports Triple DES and Remote Key Management

Card reader
DIP

IMCRW (Integrated Motorised Card Reader)[2]: option to support smart cards

MEI (media entry/exit indicators)
For enhanced security and ease of use

Dispenser

4 denomination with bunch, retract and purge capability

NCR multimedia cassette with 295mm (11.6") capacity

Deposit

Cash Acceptor
Accepts and validates up to 100 notes per transaction

Up to 50 note denominations per template

Remote download of currency templates

High capacity storage up to 3,400 notes

Escrow capable of returning notes to customer

ECB Article 6 compliant

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

Envelope depository
Optional envelope dispenser

Printers

Receipt printer
40 column graphics thermal printer including cheque image printing

Capacity up to 5,000 transactions, 112mm (4.4") receipts

Form length 112mm - 190mm (4.4" - 7.5")

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

Journal printer
40 column graphics thermal printer

Statement printer
80 column letter quality thermal printer with document capture

Capacity up to 800 sheets 305mm (12")

Form length 102mm - 305mm (4" - 12")

Optional full graphics

Security

EPP (Encrypting PIN Pad)[1]: certified as meeting the requirements of ISO 9564-1, ISO 13491-1 and ISO 13491-2

Complies with ANSI A117.1-1998 layout guidelines

IMCRW card reader[2]: certified EMV 3.1.1 and EMV 4.0 Level 1, certified GIECB, ZKA

Optional fraud countermeasures include ECD (Enhanced Card Drive or 'Jitter') and CROPF (Card Return on Power Fail)

Safe
UL291 Level 1

Accessibility

Subject to customer compliance with NCR Site Preparation and Installation Guidelines, the Personas 90e 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 90e produced for sale in Australia complies with this standard

- **Access to ATMs: UK Design Guidelines 2002** - with minor exceptions, the Personas 90e produced for sale in the UK conforms with these guidelines

- **CAN/CSA B651.1-01** - with minor exceptions, the Personas 90e produced for sale in Canada complies with this standard

Environmental

Temperature
-35ºC to 50ºC (-30ºF to 122ºF)

Humidity
10% to 100%

Acoustics
Sound power 71dBA

Integrated Motorised Card Reader

Optional touchscreen

Cash Acceptor

Encrypting PIN Pad