

ND4000 Series Desktop, OEM & Kiosk Ticket Printers



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ND4000 Series



ND40x0

ND40x0V

The Newbury Data ND4000 range of designed & manufactured thermal ticket printers are capable of storing, printing, encoding and reading credit card sized tickets. The printer range has been developed to provide an economical solution to printing and encoding customer/visitor entry, travel, membership, club, reward, parking and loyalty card tickets.



Fulfilment centre solution including front feed stacker, printer and rear feed ticket dispenser

Models:

- ND4000** Desktop printer
- ND4020** Desktop, Magnetic encoding
- ND4020V** OEM, Magnetic encoding
- ND4030** Desktop, Contactless encoding
- ND4030V** OEM, Contactless encoding

⇒ Available in Cream or Black cases

Applications:

Desktop

⇒ Small footprint desktop printer ideal for retail point of sale ticket sales

OEM

⇒ Small footprint (Vertical or Horizontal) OEM mechanism ideal for self service ticket kiosks, ticket vending & validation systems

Kiosk

⇒ Small footprint desktop printer ideal for self service ticket kiosks

Fulfilment

⇒ Automated ticket issuing and collection / stacking system for ticket distribution fulfilment applications

Media Handling Options:

Rear feed ticket dispenser









Front feed ticket stacker



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General Specification						
Model	ND4020	ND4020V	ND4030	ND4030V	Rear Dispenser	Front Feed Stacker
Print Technology	Direct Technology				N/A	N/A
Resolution	203 dpi				N/A	N/A
Print/Feed Speeds	150mm / sec				N/A	N/A
Media Type	Pre printed or plain ISO sized thermal tickets 54mm x 85-210mm. 0.25 –0.5mm Paper laminates or thin plastic constructions.				54 x 85mm 0.25-0.7mm	54 x 85mm 0.25mm
Programming Language	Newbury Data programming language					
Encoding	Centre stripe positioning. Low coercivity 75 BPI encoding density. Read/Verify after Write function.		Contactless cards include - Mifare Classic, Mifare Ultralight and more on request. (optional ITSO library)		N/A	N/A
Ticket/Card Capacity	740 (.25mm)		350 (.5mm)		860 (.25mm) 420 (.50mm) 290 (.74mm)	1600 (.25mm)
Standard Interface	Serial				Interfaces into Printer Serial Port	
Optional Interface	Ethernet				N/A	N/A
Case	Metal	N/A	Metal	N/A	Metal Base	Metal
Case Colours	Beige/Black	N/A	Beige/Black	N/A	Beige/Black	Beige/Black
Dimensions (mm)	L: 300 W: 112 H: 215	L: 300 W: 112 H: 215	L: 300 W: 112 H: 215	L: 300 W: 112 H: 215	L: 170 W: 115 H: 310	
Operating Temperature	+5 to +45 deg C					
Warranty	12 months parts warranty					
Printhead Warranty	6 months or 130,000 tickets				N/A	N/A
Applications	Desktop Kiosks	OEM Kiosks	Desktop Kiosks	OEM Kiosks	Desktop Kiosks	Desktop Automated ticket collection

Notes:

1) All specifications are subject to change without prior notice

2) All trademarks acknowledged

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ND4000 Series Benefits

There are 3 key benefits of the ND4000 Series cut sheet ticket printers compared to fanfold or continuous ticket stock printers.

1. Increased Performance

Single Ticket Printing

ND4000 Series printers use single cut sheet single ticket stock to offer increased printing and delivery performance compared to fanfold or continuous stock that requires additional printer or user intervention to remove the printed ticket from the printer.

Ticket Distribution

ND4000 series printers are supplied with user exchangeable ticket distribution outlets, making them the ideal (same single) printer for both retail point of sale and ticket on demand (TOD) kiosk applications.

Media Loading

ND4000 Series printers require no complicated media loading procedure.

2. Application Improvements

Multiple Applications

ND4000 Series printer have both internal and optional rear feed hoppers to offer multiple media paths for combining different applications without the need for user intervention to change media.

Data Validation

ND4000 Series printers write (Encode) and read back (Validate) Magnetic Stripe data (ND4020), and or Contactless Smart Ticket data (ND4030), before printing correct ticket information or "VOID" across ticket if not validated. Fanfold or continuous stock printers can not (easily, if at all) forward/reverse feed media to validate tickets. Those that claim they can suffer from regular mis-aligned tickets and jams.

3. Reduced Running Costs

User Friendly Cleaning

ND4000 Series printers use cleaning cards inserted via existing (front exit) paper path to clean the paper path, Magnetic Head (ND4020) and printhead with out the need for entry inside the printer by the user, and without the need to unload/load blank printable tickets.

Media Calibration

ND4000 Series printers do not require calibration when loading new stock, removing any form feed actions and/or potential wastage of valuable tickets, and mis-aligned media.

Mis-aligned Media

Printers that require user interventions to remove/load ticket stock before or during printing, or for user required cleaning processes increase the risk of mis-aligned stock, which may result in

- information misplacement
- media jams
- downtime for repair
- increased costs for ongoing breakage's & maintenance

Media Cutters

ND4000 series cut sheet printers do not need media cutters to cut stock to separate or present jobs to the user. Printers with cutters require additional moving parts in the printer that potentially suffer from

- media jams
- information misplacement
- increased failures & costs for ongoing breakage's & maintenance

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Image Gallery

ND40X0



ND40X0 Open



Fulfilment Centre Application Items



Fulfilment Centre Configuration and spare cassette

ND40X0V



ND40X0V Open

