NAUT250

The NAUT250 is a 2-inch panel printer, available with or without an integrated controller board.

As the latest addition to KFI's NAUT family of panel modules, it combines high performance and ease of use in a robust yet elegant housing.
Its patented retractable cover system makes it ideal for a wide range of applications, including medical, industrial, banking, and point of sale. The seamless, variable input voltage circuitry ensures broad compatibility with various host devices.

NAUT250 closed door

NAUT250 open door

GENERAL FEATURES

PERFORMANCE

- Powerful text printing modes
- Powerful graphic modes
- Full control over printing speed and quality

TECHNOLOGY

- Extended supply voltage range
- Retracting cover system (patented)
- Easy open paper cover system and robust closure
- Easy paper loading / drop in system
- Double tear bar
- End of paper detection
- Easy firmware upgrade

PRINTING

- Three sizes of fonts
- Extended character sets
- Different types of barcodes supported

SAFETY

- Printer status LED and feed button (all in one)

MAIN APPLICATIONS

- POS terminals
- Measurement instrument
- Banking devices
- Medical equipment
- Industrial equipment
- Cash dispenser
- Retail
- Cash deposit
- Kiosk
- Voting

NAUT250

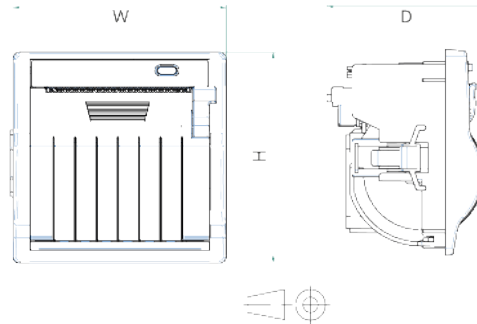## AVAILABLE MODELS AND DIMENSIONS

NAUT250FD

Voltage range 5V - 8.5V and 9V - 36V

NAUT250FS

Voltage range 5V - 8.5V

NAUT250NB

Version without electronic board

NAUT 250FD/FS

Dimensions
W 90 x H 90 x D 69 mm (FD)
W 90 x H 90 x D 63.4 mm (FS)

Weight
150 g without paper roll

PRINTER SPECIFICATIONS

Printing method	Direct thermal dot-line printing
Number of dots	384
Printing resolution	203 DPI (8 dots/mm)
Printing width	48 mm
Printing speed	Max. 80 mm/s (under certain conditions)
Memory size for logos/macros	Max 10 macros 63 Kbyte each
User font	Max 2 fonts, max 64 Kbyte
Number of text columns	24, 32, 42, 40
Operating temperature	From 0 to 50 °C
Operating humidity	From 20 to 85% RH (no condensation)
Storage temperature	From -20 to +60 °C
Storage humidity	From 10 to 90% RH (no condensation)
Current consumption	2A average, 5A peak (5V to 8.5V) 1.5A average (@24V)

PAPER SPECIFICATIONS

Type of paper	Thermal rolls, outside heat sensitive
Paper width	57.5 mm +0.5/-0.5
Paper weight	Min. 55 / Max. 73 g/m2
Paper thickness	Min. 60 / Max. 80 µm
Paper roll outside diameter	Max. 50 mm
Roll core inner diameter	14 mm +1/-0
Core material	Plastic or cardboard
Paper end	Not attached to the roll core
Recommended paper	JUJO-AF50KS-E (standard grade, 55 g/m2). Kanzan KF50 (55 g/m2). Kanzan KPD460 (73 g/m2). Equivalent types can be used.

CUTTING METHOD

Metallic - tear up
Plastic - tear down

PRINTER LIFE SPECIFICATIONS

Print head pulse life	100 million pulses
Print head abrasion life	50 km of paper
Cover open/close operations	3.000 cycles or more

STANDARDS

Complies with:
UL/IEC 62368-1 (UL-Recognized).
FCC Title 47, Part 15, Subpart B.
RoHS 2011/65/EU, 2015/863/EU and following amendments.
CE 2014/30/EU, EN55032, EN55035.

CONNECTIONS

Molex 53398-0671 (Serial RS232 Interface)
Molex 53398-0671 (Serial TTL Interface)
Female USB 2.0 Micro-B (VCOM Interface)
JST-B4B-PH-SM4-TB (Power connection 5-8.5V)
Weidmüller-LSF-SMD5.0/2/180 (Power connection 9-36V)

DRIVERS

Windows 7 / 10 / 11
Linux
Android