KFI
CUSTOM PRINTER

NAUT250 closed door

NAUT250

The NAUT250 is a 2 inch panel printer with or without integrated controller board. It is the latest addition to KFI's panel module NAUT family providing performance and ease of use in a robust elegant housing. Its patented retracting cover system makes it particularly suited to a variety of applications such as Medical, Banking and Point of Sale. And the incorporation, by KFI engineering team, of variable input voltage circuitry ensures immediate and seamless integration into the hosting device.

NAUT250 open door

MAIN APPLICATIONS
- POS terminals
- Banking devices
- Measurement instruments
- Medical equipment
- Industrial equipment
- Cash deposit
- Cash dispenser
- Retail
- Kiosk
- Voting

GENERAL FEATURES
- Extended input power 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
- Printer status LED and feed button (all in one)
- Integrated electronic control board
- RS232, TTL-5V and USB VCOM connections
- Full control over printing speed and quality
- Powerful text printing modes
- Powerful graphic modes
- Three sizes of fonts
- Extended character sets
- Different types of barcodes supported
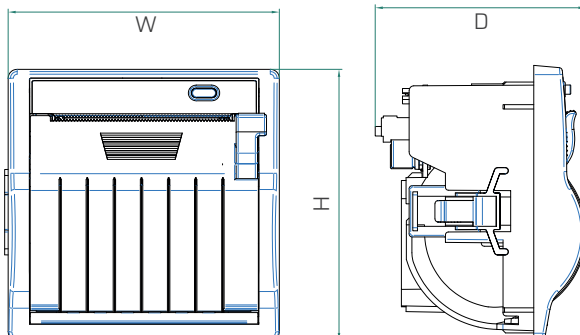- Emulation: standard and PoS
- Easy firmware update

AVAILABLE VERSIONS AND DIMENSIONS

NAUT250xx

Dimensions (W x H x D)
90 x 90 x 68 mm

Weight
150 g without paper roll

Connections
RS232, TTL and USB VCOM

NAUT250FD

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

NAUT250FS

Voltage range 5V - 8.5V

NAUT250NB

Version without electronic board

GENERAL CHARACTERISTICS

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. 82 μm

Paper roll outside diameter
Max. 50 mm

Roll core outside 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

PRINTER LIFE SPECIFICATIONS

Print head pulse life
100 million pulses

Print head abrasion life
50 km of paper

Cover open/close
3.000 cycles or more

DRIVERS

Windows 8 / 10 - Linux - Android

CUTTING METHOD

Metallic - tear up
Plastic - tear down

STANDARDS

Designed to comply with FCC/CE

UL Recognized (US & Canada)

RoHS Compliant

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