NAUT324C closed door

NAUT324C
3 Inch printer engine module

The NAUT324C is a 3 inch, 24V, Printer Engine Module with an integrated controller board and cutter, using RS232 and USB communication ports. It consists of a high reliability printer mechanism mounted on a plastic structure with easy opening paper roll housing, cover and fixing frame. It can be used for a variety of applications, such as POS terminals, banking devices, measurement instruments, medical and industrial equipments, etc. The NAUT324C is available in two basic versions: paper roll 63mm and 83mm (outside diameter).

NAUT324C open door

MAIN APPLICATIONS

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

GENERAL FEATURES

- High printing speed
- High printing resolution
- High reliability printer mechanism
- Single power supply 24V
- Easy paper loading system
- Integrated Cutter (easy operation system)
- Anti-jamming and damage prevention
- End of paper detection
- Cover open/close detection
- Patented cover opening system
- Printer status LED
- Integrated electronic control board
- Both USB and Serial RS232 connections
- Full control over printing quality/speed
- Powerful text printing modes
- Powerful graphic modes
- Barcode support (code 39, 128, QR etc)
- Four resident characters fonts, user defined fonts
- Easy Firmware update
- Easy Update of Fonts, Macros, Logos

kficustomprinter.com
info@kficustomprinter.com - Ph. +39 0290573.1 - Fax +39 0290092245
K.F.I. S.r.l. Viale delle Scienze, 21 - 20082 Binasco (MI) Italy

AVAILABLE MODELS AND DIMENSIONS

NAUT324C-63

Dimensions (W x H x D)
127.4 x 120 x 81,7 mm

Paper roll diameter
Max. 63 mm

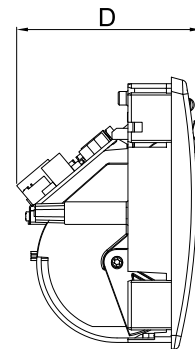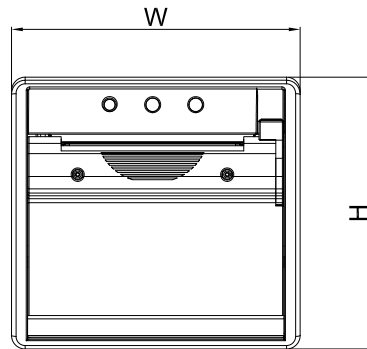Connection
USB and RS232

Weight
310 g without paper roll

NAUT324C-83

Dimensions (W x H x D)
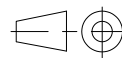128.4 x 147.7 x 96.3 mm

Paper roll diameter
Max. 83 mm

Connection
USB and RS232

Weight
370 g without paper roll

BACK-SIDE OPENING LEVER
Option available for all models

GENERAL CHARACTERISTICS

PRINTER SPECIFICATIONS

Printing method
Direct thermal dot-line printing

Number of dots
576

Thermal head temperature detection
Thermistore

Printing resolution
203 DPI (8 dots/mm)

Heat element pitch
0.125 mm

Printing width
72 mm

Printing speed
Max. 120 mm/s

Operating temperature
From 0 to +50 °C

Operating humidity
From 20 to 85 %RH (no condensation)

Storage temperature
From -40 to +80 °C

Storage humidity
From 10 to 90 %RH (no condensation)

Voltage range
24 V ± 5%

Current consumption
Average 3.5 A / Max. 7 A peak

PAPER SPECIFICATIONS

Type of paper
Thermal rolls, outside heat sensitive

Paper width
80 mm +0/-1

Paper weight
Min. 55 / Max.80 g/m2

Paper thickness
Min. 63 / Max. 80 μm

Paper roll outside diameter
Max. 63 mm - NAUT324C-63
Max. 83 mm - NAUT324C-83

Roll core inner diameter
12.5 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)

STANDARDS

Designed to comply with FCC/CE class B

UL Recognized (US & Canada)

RoHS Compliant

CUTTER UNIT

Cutting method
Guillotine

Cut modes
Full and partial

Cut frequency
20 cuts/minute max.

Cut time
Max 500 ms

PRINTER LIFE SPECIFICATIONS

Print head pulse life
50 million pulses

Print head abrasion life
50 km of paper

Cutter life
Min. 500.000 cuts

Cover open/close
5.000 cycles or more

DRIVERS

Windows XP / 7 / 8 / 10

Linux

CE 6 / 7

last updating 08/03/19

DNV·GL