



The PX print- and dispense module

The main objective of development was: high reliability, simple, comfortable usage and very short service and reparation repairing times.

It has been especially designed for fully automatic printing and labelling in industrial environments. The PX-module prints and dispenses in every mounting position and can be integrated in all production lines.

- The print mechanic with its functional mode is mounted in a stable and torsion-resistant housing.
- All PX-printing modules are available in left- and right version, with a resolution of 200, 300 or 600 dpi
- Wear parts can be changed very quickly. When repairing, the removal of parts or modules can be made within just a short time
- Transfer foils can be applied up to a length of 600 meters. The print module can optionally be loaded with an automatic ribbon save mode
- With the high-tech 32-bit-processor, 64 MB RAM and 8 MB Flash memory the data preparation happens in a fraction of seconds. With an additional memory card at the control panel or the CPU, texts, graphics and settings can be saved.
- All necessary interfaces like Ethernet, USB or the digital I/O-interface are standard
- Extensive software tools for direct programming and for installation and administration of labels are available
- The mechanical installation measures are compatible for Zebra, Sato, Datamax etc.

CAB – PX-module



| Print head | PX4+ | | | PX4.3+ | | PX6+ |
|---|--|-------|-------|----------|----------|-------|
| Print method transfer | X | X | X | Optional | Optional | X |
| Print method thermdirect | - | - | - | X | X | X |
| Resolution dpi | 203 | 300 | 600 | 203 | 300 | 300 |
| Print speed up to mm/s | 200 | 200 | 100 | 200 | 150 | 200 |
| Print width up to mm | 104 | 105,6 | 105,6 | 104 | 108,4 | 162,6 |
| Labels | | | | | | |
| Labels on role or leporello | standard-Thermopaper, plastic, PE, PP, PVC, PA, PI | | | | | |
| Thickness in mm / weight g/m ² | 0,055 – 0,35 / 60 – 160 | | | | | |
| Width labels in mm | 10 - 116 | | | | 50 – 176 | |
| Width carrier tape in mm | 25 - 120 | | | | 50 – 180 | |
| Label height in mm | 6 – 1.000 | | | | | |
| Transfer foil | | | | | | |
| Color side | In- or outside | | | | | |
| Role diameter up to mm | 86 | | | | | |
| Core diameter mm | 25 | | | | | |
| Running length variabel up to m | 600 | | | | | |
| Width up to mm | 114 | | | | 165 | |
| Dimensions | | | | | | |
| Height mm | 304,5 | | | | 304,5 | |
| Depth mm | 330 | | | | 390 | |
| Width mm | 300 | | | | 300 | |
| Weight kg | 8 | | | | 12 | |

Labelsensor

- Transmissive sensor for label edge or punch mark and material end
- Reflexsensor from below: for print marks
- Distance to edge: 4 – 60 mm

Elektronik

- Processor 32 Bit BoldFire/frequency MHz: 266
- Memory (RAM) MB: 64
- IFFS print memory MB Flash: 8
- Slot CompactFlash Type I
- Slot for Cardbus / PC-Card Type II
- Real time clock with print of time and date

Control panel

- Keys / LED-display: Break, Feed, Cancel, menu, 4 x Cursor
- LCD-Ggraphic display (width x height in mm): 60 x 40
- Text (lines / position): 4 / ca. 20
- Compact Flash Type I
- USB Master for keyboard and scanner

Interfaces

- Parallel Centronics bidirectional IEEE 1284 (optional)
- Seriell RS232 C 1.200 to 230.400 Baud/8 Bit
- USB 2.0 High Speed Slave for PC-connection
- Ethernet 10/100 Base T, LPD, RawIP-Printing, ftp-Printing, DHCP, HTTP, FTP, SMTP, SNMP, TIME, Zeroconf, mDNS, SOAP
- Seriell RS422, RS485 1.200 to 230.400 Baud / 8Bit (optional)
- WLAN card 802.11b/g WEP/WPA PSK (TKIP) (optional)
- Wireless Bridge 802.11b (optional)
- USB Master for keyboard and scanner 2x
- Digitale I/O-interface

Monitoring

- Printstop at: Transferfoil, label end, print head open, retraction system open
- Report in display: data receiving, WLAN strength, Ethernet status, user memory, temperatur print head, memory card access, clock, calendar sheet, abc Debug, input buffer, foil feed capacity

Setting

- Time, date, digital- or analogclock, land- and language settings
BE, BG, CH, CN, CZ, DE, DK, ES, FI, FR, GR, HR, HU, IR, LT, MK, MX, NL, NO, PL, PT, RU, RS, SE, SI, TH, TR, UK, US, ZA
- Instrument settings, print-parameter, interfaces, safety

Test devices

- Systemdiagnose at switching on incl. Print head control
- Short status report, status print, font list, instrument list, WLAN status, label profile, test grid, monitormodus, PPP status
- Statusreport: extensive statusprint with information of instrument settings e.g. print length counter, operating hours, request of instrument status via software command, various status reports in the display e.g. network errors – no link, barcode error etc.

Fonts

- Fonts: 5 Bitmap-Fonts incl. OCR-A, OCR-B and 3 vector-Fonts Swiss 721, Swiss 721 Bold and Monospace 821 internal available, loadable TrueType-Fonts. Optional Chinese (simplified Chinese), optional Thai
- Character sets: Windows 1250 to 1257, DOS 437, 737, 775, 850, 852, 857, 862, 866, 869, EBC DIC 500, ISO 8859-1 to -10 and -13 to -16, WinOEM 720, UTF-8, Macintosh Roman, DEC MCS, KOI8-R
- Character sets: All west- and easturopean, latin, cyrillic, greek and arabic signs are supported. Optional Thai and Chinese
- Bitmap-Fonts: Size in width and height 1-3 mm, zoom factor 0°, 90°, 180°, 270°
- Vector-/TrueType-Fonts: size in width and height 0,9 - 128 mm, zoom factor stepless, direction 360° in fonts from 1°
- Typeface: bold, italic, underlined, outline, invers, grey, vertical, depends on the font type
- Character pitch: variabel

Graphics

- Graphic elements: line, arrow, rectangle, circle, ellipse, filled and filled with process
- Graphic format: PCX, IMG, BMP, TIF, MAC, GIF, PNG

Codes

- Linear codes: Code 39, Code 93, Code 39 Full ASCII, Code 128 A, B, C, Codabar, EAN 8, 13, EAN/UCC 128, EAN/UPC attachment 2, EAN/UPC attachment 5, FIM, HIBC, Interleaved 2/5, Ident- and guidance code of the German post Post AG, JAN 8, 13, MSI, Plessey, Postnet, RSS 14, UPC A, E, E0
- 2D-Codes: Aztec, Codablock F, Data Matrix, PDF 417, Micro PDF 417, UPS Maxicode, QR-Code, RSS 14 truncated, limited, stacked and stacked omnidirectional, EAN-Datamatrix, GS1 Data Bar
- 2D-Codes: all codes in height, modulwidth and ratio variabel. Orientation 0°, 90°, 180°, 270°. Optionally check digits, plain writing print and Start/Stop-Code, depends on the codetype

Software

- Control: J-Script direct programming, abc-Basis Compiler, Database Connector (optional)
- Control / administration, cab-label software: printer control, network manager (optional), cablabel R2 Lite, cablabel R2 Pro (optional)
- Further label software: Easylabel, Codesoft, Nicelabel, Bartender, Label Matrix, Labelview (all optional)
- Windwostreiber: 98, ME, 2000, 2003, XP, Windows NT ab Version 4.0
- Mac-driver: OS X printing driver from version 10.3
- Linux-driver: tested with Suse 9.0, CUPS basing

Operating data

- Coltage: 100 – 240 V ~ 50/60 Hz, PFC
- Power consumption: max. 250 W
- Operating temperature: 10 -35°C
- Humidity: 30 – 85% non-condensing
- Registration : CE, FCC class A, CB, CCC, UL
- TSP Transferribbon-Sparautomatik (optional)
- RFID write-readmodule (optional)