

Key features



The **MACH 4S** provide all features of an industrial printer with a wide application range.

The print mechanics and the chassis are made of high-quality materials and perfectly match in terms of shape and function.

The large, colored touchdisplay with self-explanatory symbols offers best operability.

Labels and ribbons are easy to insert from the front.

The centered material guide eliminates any need of adjustments.

The hightech electronic board integrates all the needed interfaces as standard and is ready for any connection.

- reliable and fast printing
- accurate imprint
- compact, appealing design
- easy operation
- little footprint

Sample applications:

PCB labels

When only little space is available – smallest label size 5 x 5 mm

Type plates

Pin sharp fonts, graphics and barcodes up to 600 dpi

Cardboard box and pallet labels

up to a passage width of 120 mm







Types



1.1 Type B with tear-off edge

for printing on all materials that are wound on rolls or reels or fanfold.

| Label printer | | MACH | 14.35 | МАС | H 4S |
|----------------------|------------|------|-------|-------|-------|
| Printable resolution | dpi | 203 | 300 | 300 | 600 |
| Print speed | up to mm/s | 250 | 250 | 300 | 150 |
| Print width | up to mm | 104 | 108.4 | 105.7 | 105.7 |



1.2 Type P with peel-off function

for printing on all materials that are wound on rolls or reels or fanfold. In addition, the labels can be dispensed.

| Label printer | | MACH | 14.3S | MAC | H 4S |
|----------------------|------------|------|-------|-------|-------|
| Printable resolution | dpi | 203 | 300 | 300 | 600 |
| Print speed | up to mm/s | 250 | 250 | 300 | 150 |
| Print width | up to mm | 104 | 108.4 | 105.7 | 105.7 |
| Label height | from mm | | 1 | 2 | |



1.3 Type C with cutter

for printing on all materials that are wound on rolls or reels or fanfold. From 12 mm in height, the labels and continuous materials can be cut.

| Label printer | MACH | 14.35 | MAC | H 4S | |
|----------------------|------------|-------|-----------------------|-------|-------|
| Printable resolution | dpi | 203 | 300 | 300 | 600 |
| Print speed | up to mm/s | 250 | 250 | 300 | 150 |
| Print width | up to mm | 104 | 108.4 | 105.7 | 105.7 |
| Cutting length | from mm | | 1 | 2 | |
| Gap height | up to mm | | 2. | .5 | |
| Cuts/min, without ma | | 10 | 00 | | |
| Stop print job when | | | nal cutte s not be | • | |

Accessories



2.16 External rewinder ER4/210

Label winding is either outside or inside. An adapter kit for exact alignment of the external rewinder is included in the delivery.

| External rewinder | | ER4/210 |
|-----------------------------------|----------|-------------------|
| Material width | up to mm | 120 |
| Roll diameter | up to mm | 210 |
| Tightening axle for core diameter | mm | 76 |
| Winding | | outside or inside |

Details

1 Cover with a large panoramic window

It can be opened wide. The integrated damping mechanism provides smooth closing. Label stock is visible at any time.

2 Roll holder

The label roll is put onto the holder and, at this, is automatically centered. Materials of different widths can be placed within the box.

3 Ribbon holder

The ribbon is pushed onto the spring-mounted holder and is centered by means of a margin stop and the position indication. The insertion in the print mechanics is simple and comfortable.

4 Print mechanics

It opens at the push of a button and offers easy access.

6 Print heads

All print heads are freely interchangeable. They are automatically detected and calibrated by the CPU. Major data suchas running performance, maximum operating temperature and heat energy are directly stored in the print head. The data can be read at the plant.

6 Gap sensor

It is arranged for labels or punch marks and end of material as well as for print marks in a centered position. In case of multi-track labels, you can switch to a sensor that is shifted 10 mm to the left.

Material guide

With the lateral retaining wheel the width is adjusted. At this, the labels are automatically centered.

13 Reflective sensor

Labels and end of material as well as print marks are identified by the slideable sensor.

9 Print roller DR4

It can be quickly and easily unlocked in few steps for cleaning or replacement. Coating: synthetic rubber



To achieve accurate imprint with slim materials and ribbons slim print rollers are needed. These prevent from print roller wear, print head contamination and errors during material feed.

Peel-off function (with "P" type)

The liner tape is lead down behind the operation panel. The label separates from the liner tape on the peel-off edge. In terms of application safety, label peel-off has to be tested.



Operation panel

Intuitive and easy operation with self-explanatory symbols to configure the device setups

- 1 LED signal: Power ON
- 2 Status bar: Data reception, Record data stream, Ribbon pre-warning, SD memory card / USB memory stick plugged in, Bluetooth, WLAN, Ethernet, USB Slave, Time
- 3 **Printer status:** Ready, Pause, Number of printed labels per print job, Label in peel-off position, Awaiting external start signal
- **4** Operation
 - Cutter: cutting Tear-off or peel-off mode: print label
 - Jump to menu
 - Reprint last label
 - Interrupt and continue print job
 - Stop and delete all print jobs
 - Label feed



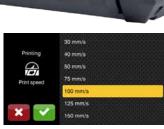




Printing parameters



Print position Y



Print speeds

External operation panel providing the same functionality as on the printer

Landscape or portrait mode display

Users are free to choose whether to operate the printer on the external panel or on the one integrated in the device.

Printer connection: USB 2.0 Hi-speed device

- 1 LED: Power ON
- USB slot to connect the Service Key or a memory stick, to load data in the IFFS storage
- **3 Connecting cable USB**, lengths 1.8 to 16 m Use only specified cables if length succeeds 3 m; for dimensions see assembly instructions

Video tutorials 2 3 3 4 1

MACH 4S

Interfaces on the back of the device



- 1 Slot for a SD memory card
- 2 x USB host to connect a Service Key, USB memory stick, keyboard, barcode scanner, USB Bluetooth adapter, USB WLAN stick WLAN hotspot or infrastructure mode: In hotspot mode it is possible
 - WLAN hotspot or infrastructure mode: In hotspot mode it is possible to directly connect a mobile device with the printer via WLAN.
- 3 USB 2.0 Hi-speed device to connect a PC
- 4 Ethernet 10/100 Mbit/s
- **5 RS232C** 1,200 to 230,400 baud/8 bit

Technical data

| | | | <u></u> | | | | |
|--|--|------------------------|---|------------------------------|---------------------------|-------|--|
| Label printer | | Туре | MACH | 4.3\$ | MAG | CH 4S | |
| Material feed | | | | cente | ered | | |
| Printing | Thermal transfer | | • | • | • | • | |
| method | Thermal direct | | • | • | 0 | - | |
| Printable resolution | | dpi | 203 | 300 | 300 | 600 | |
| Print speed | | up to mm/s | 250 | 250 | 300 | 150 | |
| Print width | | up to mm | 104 | 108.4 | 105.7 | 105.7 | |
| Start of printing | Distance to locating edge | mm | | cente | ered | | |
| Material ¹⁾ Paper, cardboard, | DL DVC DLL perulata Tuyas | | • | • | • | • | |
| Shrink tubes | PI, PVC, PU, acrylate, Tyvec | | | | | | |
| | ready-for-use | | | | | | |
| Textile tapes | on rolls, rools, fanfold | | | | | | |
| Packing | on rolls, reels, fanfold Roll diameter | un to mm | | 20 | - | | |
| | | up to mm | | | | | |
| | Core diameter | mm | 38.1 - 76 outside or inside | | | | |
| .11. | Winding | | | | | | |
| abels | Width | mm | | 5 - 1 | | | |
| | Height excl. label backfeed | from mm | | 5 | | | |
| | incl. label backfeed | from mm | | | | | |
| | Peel-off, single cut | from mm | | 12 | | | |
| | Thickness | mm | | 0.03 | | | |
| iner material | Width at core diameter 38 mm | mm | | 9 - 1 | | | |
| | 76 mm | mm | | 25 - 1 | | | |
| | Thickness | mm | | 0.03 - | | | |
| Continuous material | Width at core diameter 38 mm | mm | | 5 - 1 | | | |
| | 76 mm | mm | | 25 - 1 | | | |
| | Thickness | mm | | 0.05 | 0.5 | | |
| | Weight (cardboard) | up to g/m ² | | 18 | 0 | | |
| Shrink tubes | Width ready-for-use | up to mm | | 12 | 0 | | |
| | Thickness | up to mm | | 1. | 1 | | |
| Ribbon ²⁾ | Ink side | | outside or inside | | | | |
| | Roll diameter | up to mm | 72 | | | | |
| | Core diameter | mm | 25,4 | | | | |
| | Variable length | up to m | | 36 | 0 | | |
| | Width | mm | 25 - 114 | | | | |
| Printer sizes and we | eight | | | | | | |
| Width x Height x Dep | th | mm | | 240 x 31 | 7 x 435 | | |
| Veight | | kg | | 6 | | | |
| Label sensor indicat | ting the position | | | | | | |
| Gap sensor | | for | labels or punch marks a | and end of material, print m | arks on transparant mate | rials | |
| Reflective sensor | reflex from below | for | labels and end of material, print marks on non-transparent materials | | | | |
| Distance of sensor | gap | mm | centered or shifted by 10 mm to the left | | | | |
| rom centre to locatir | ng edge reflex from below | mm | adjustable from centre by 56 mm to the left or by 10 mm to the right | | | | |
| Material passage | | up to mm | | 2 | | | |
| lectronics | | - | | | | | |
| Processor 32 bit cloc | k rate | MHz | | 80 | 0 | | |
| Main memory (RAM) | | МВ | | 25 | | | |
| Data memory (IFFS) | | MB | | 50 | | | |
| | memory card (SDHC, SDXC) | up to GB | | 51 | | | |
| | date, real-time clock | | 512 | | | | |
| | power is switched off (e.g. serial r | numbering) | | | | | |
| nterfaces | (, , , , , , , , , , , , , , , , , , , | 0/ | | | | | |
| RS232C 1,200 to 230, | ,400 baud/8 bit | | | | | | |
| JSB 2.0 Hi-speed dev | | | | | | | |
| | | | IPD RawIP printing SC | AP webservice, OPC UA, We | -hDAV | | |
| thernet 10/100 Mbit | t/s | | | | | | |
| 2 x USB host on the b | ack of the device | for | DHCP, HTTP/HTTPS, FTP/FTPS, TIME, NTP, Zeroconf, SNMP, SMTP, VNC Service Key, USB memory stick, keyboard, barcode scanner, USB Bluetooth adapter, USB WLAN stick, external operation panel | | | | |
| USB WLAN stick 2.4 GH 2.4 GH | z 802.11b/g/n z 802.11b/g/n + 5 GHz 802.11a/n/ac, i | rod antenna | hotspot mode or infrastructure mode | | | | |
| USB Bluetooth adapt | | | | | | | |
| | on for cutter or peel-off function | | | | | | |
| perating data | , | | | | | | |
| Power supply | | | 100 - 240 VAC, 50/60 Hz, | PFC | | | |
| Power consumption | | | Standby < 10 W / typical | | | | |
| emperature / humic | dity Operation | | +5 - 40°C / 10 - 85 %, no | | | | |
| , , | Stock | | 0 - 60°C / 20 - 85 %, no | | | | |
| | Transport | | -25 - 60°C / 20 - 85 %, no | | | | |
| Approvals | aopot | | | cULus, CB, CoC Mexico, CCC | C. EAC, BIS. BSMI KC-Mark | | |
| Operation panel | | | , | , ob, ob mexico, eet | .,o, 5.o, 50mi, ne mair | | |
| - Per acton paner | isplay Screen diagonal | ıı | | 4, | 3 | | |
| Colored LCD touch di | | | | | | | |

¹⁾ The material specifications are standard values. Applications with small labels, thin, slim, thick and stiff materials as well as strongly adherent labels have to be tested, so is the peel-off function. ²⁾ The ribbon should at least correspond with the width of the liner material.

 \blacksquare standard \square option

Technical data

| Setup options | | |
|---|---|--|
| | Print | Region: |
| | Labels | - Language |
| | Ribbon | - Country |
| | Tear-off | - Keyboard |
| | Peel-off | - Time zone |
| | Cut | Time |
| | Interfaces | Display: |
| | Error | - Brightness |
| | | - Power saving mode |
| | | - Orientation |
| | | Interpreter |
| Status bar | | |
| Julus bui | Data reception | Bluetooth |
| | Record data stream | WLAN |
| | Ribbon pre-warning | Ethernet |
| | SD memory card plugged | USB slave |
| | USB memory stick plugged | |
| | obb memory stick plugged | Time |
| Monitoring | | |
| | Ribbon pre-warning | Periphery error |
| | End of ribbon | Print head voltage |
| | Direction of ribbon winding | |
| | End of material | Print head open |
| Test routines | | |
| System diagnostics | on start-up, including print h | nead detection |
| Information display, | Status printout | Test grid |
| test printout, | Fonts list | Label profile |
| analysis | List of devices | List of events |
| | WLAN status | Monitor mode |
| Status reports | - Printout of device settings, | |
| | e.g. print lengths and service | ce hours |
| | - Device status request by so | |
| | - Display of, e.g., network em | |
| | barcode errors, periphery e | |
| Fonts | , | * |
| Font types | 5 bitmap fonts: | 7 vector fonts: |
| | 12 x 12 dots | AR Heiti Medium GB-Mono |
| internally provided | 16 x 16 dots | CG Triumvirate Condensed Bolo |
| | 16 x 32 dots | Garuda |
| | OCR-A | |
| | OCR-B | HanWangHeiLight Monospace 821 |
| | OCR-D | Swiss 721 |
| | | Swiss 721 Swiss 721 Bold |
| | | |
| to be stored | TrueType fonts | 5W135 121 Bota |
| to be stored | TrueType fonts | 5W133 121 BOIG |
| to be stored Character sets | Windows-1250 to -1257 | |
| | Windows-1250 to -1257 DOS 437, 737, 775, 850, 852, | |
| | Windows-1250 to -1257 DOS 437, 737, 775, 850, 852, EBCDIC 500 | 857, 862, 864, 866, 869 |
| | Windows-1250 to -1257 DOS 437, 737, 775, 850, 852, EBCDIC 500 ISO 8859-1 to -10 and -13 to | 857, 862, 864, 866, 869 |
| | Windows-1250 to -1257 DOS 437, 737, 775, 850, 852, EBCDIC 500 ISO 8859-1 to -10 and -13 to WinOEM 720 | 857, 862, 864, 866, 869 |
| | Windows-1250 to -1257 DOS 437, 737, 775, 850, 852, EBCDIC 500 ISO 8859-1 to -10 and -13 to WinOEM 720 UTF-8 | 857, 862, 864, 866, 869 |
| | Windows-1250 to -1257 DOS 437, 737, 775, 850, 852, EBCDIC 500 ISO 8859-1 to -10 and -13 to WinOEM 720 UTF-8 MacRoman | 857, 862, 864, 866, 869 |
| | Windows-1250 to -1257 DOS 437, 737, 775, 850, 852, EBCDIC 500 ISO 8859-1 to -10 and -13 to WinOEM 720 UTF-8 MacRoman DEC MCS | 857, 862, 864, 866, 869 |
| | Windows-1250 to -1257 DOS 437, 737, 775, 850, 852, EBCDIC 500 ISO 8859-1 to -10 and -13 to WinOEM 720 UTF-8 MacRoman DEC MCS KOI8-R | 857, 862, 864, 866, 869 -16 |
| | Windows-1250 to -1257 DOS 437, 737, 775, 850, 852, EBCDIC 500 ISO 8859-1 to -10 and -13 to WinOEM 720 UTF-8 MacRoman DEC MCS | 857, 862, 864, 866, 869 |
| | Windows-1250 to -1257 DOS 437, 737, 775, 850, 852, EBCDIC 500 ISO 8859-1 to -10 and -13 to WinOEM 720 UTF-8 MacRoman DEC MCS KOI8-R | 857, 862, 864, 866, 869 -16 |
| | Windows-1250 to -1257 DOS 437, 737, 775, 850, 852, EBCDIC 500 ISO 8859-1 to -10 and -13 to WinOEM 720 UTF-8 MacRoman DEC MCS KOI8-R | 857, 862, 864, 866, 869 -16 Cyrillic |
| | Windows-1250 to -1257 DOS 437, 737, 775, 850, 852, EBCDIC 500 ISO 8859-1 to -10 and -13 to WinOEM 720 UTF-8 MacRoman DEC MCS KOI8-R Western European Eastern European | 857, 862, 864, 866, 869 -16 Cyrillic Greek |
| | Windows-1250 to -1257 DOS 437, 737, 775, 850, 852, EBCDIC 500 ISO 8859-1 to -10 and -13 to WinOEM 720 UTF-8 MacRoman DEC MCS KOI8-R Western European Eastern European Chinese simplified | 857, 862, 864, 866, 869 -16 Cyrillic Greek Latin |
| | Windows-1250 to -1257 DOS 437, 737, 775, 850, 852, EBCDIC 500 ISO 8859-1 to -10 and -13 to WinOEM 720 UTF-8 MacRoman DEC MCS KOI8-R Western European Eastern European Chinese simplified Chinese traditional | 857, 862, 864, 866, 869 -16 Cyrillic Greek Latin Hebrew Arabic |
| Character sets | Windows-1250 to -1257 DOS 437, 737, 775, 850, 852, EBCDIC 500 ISO 8859-1 to -10 and -13 to WinOEM 720 UTF-8 MacRoman DEC MCS KOI8-R Western European Eastern European Chinese simplified Chinese traditional Thai Widths and heights 1 - 3 mm Zoom factors 2 to 10 | 857, 862, 864, 866, 869 -16 Cyrillic Greek Latin Hebrew Arabic |
| Character sets | Windows-1250 to -1257 DOS 437, 737, 775, 850, 852, EBCDIC 500 ISO 8859-1 to -10 and -13 to WinOEM 720 UTF-8 MacRoman DEC MCS KOI8-R Western European Eastern European Chinese simplified Chinese traditional Thai Widths and heights 1 - 3 mm | 857, 862, 864, 866, 869 -16 Cyrillic Greek Latin Hebrew Arabic |
| Character sets | Windows-1250 to -1257 DOS 437, 737, 775, 850, 852, EBCDIC 500 ISO 8859-1 to -10 and -13 to WinOEM 720 UTF-8 MacRoman DEC MCS KOI8-R Western European Eastern European Chinese simplified Chinese traditional Thai Widths and heights 1 - 3 mm Zoom factors 2 to 10 | 857, 862, 864, 866, 869 -16 Cyrillic Greek Latin Hebrew Arabic |
| Character sets Bitmap fonts | Windows-1250 to -1257 DOS 437, 737, 775, 850, 852, EBCDIC 500 ISO 8859-1 to -10 and -13 to WinOEM 720 UTF-8 MacRoman DEC MCS KOI8-R Western European Eastern European Chinese simplified Chinese traditional Thai Widths and heights 1 - 3 mm Zoom factors 2 to 10 Orientations 0°, 90°, 180°, 27 Size in width and height 0,9 Variable zoom | 857, 862, 864, 866, 869 -16 Cyrillic Greek Latin Hebrew Arabic |
| Character sets Bitmap fonts | Windows-1250 to -1257 DOS 437, 737, 775, 850, 852, EBCDIC 500 ISO 8859-1 to -10 and -13 to WinOEM 720 UTF-8 MacRoman DEC MCS KOI8-R Western European Eastern European Chinese simplified Chinese traditional Thai Widths and heights 1 - 3 mm Zoom factors 2 to 10 Orientations 0°, 90°, 180°, 27 Size in width and height 0,9 | 857, 862, 864, 866, 869 -16 Cyrillic Greek Latin Hebrew Arabic |
| Character sets Bitmap fonts Vector / TrueType fonts | Windows-1250 to -1257 DOS 437, 737, 775, 850, 852, EBCDIC 500 ISO 8859-1 to -10 and -13 to WinOEM 720 UTF-8 MacRoman DEC MCS KOI8-R Western European Eastern European Chinese simplified Chinese traditional Thai Widths and heights 1 - 3 mm Zoom factors 2 to 10 Orientations 0°, 90°, 180°, 27 Size in width and height 0,9 Variable zoom Orientation 360° in steps of 1 | 857, 862, 864, 866, 869 -16 Cyrillic Greek Latin Hebrew Arabic 0° -128 mm |
| Character sets Bitmap fonts | Windows-1250 to -1257 DOS 437, 737, 775, 850, 852, EBCDIC 500 ISO 8859-1 to -10 and -13 to WinOEM 720 UTF-8 MacRoman DEC MCS KOI8-R Western European Eastern European Chinese simplified Chinese traditional Thai Widths and heights 1 - 3 mm Zoom factors 2 to 10 Orientations 0°, 90°, 180°, 27 Size in width and height 0,9 Variable zoom | 857, 862, 864, 866, 869 -16 Cyrillic Greek Latin Hebrew Arabic 0° -128 mm 1° ne, inverse |

| Graphics | | | | | |
|---|--|---|---|--|--|
| Graphic elements | Lines, arrows, rectangles, of a filled or filled with fading | | | | |
| Graphic formats | PCX, IMG, BMP, TIF, MAC, GIF, PNG | | | | |
| Barcodes | | | | | |
| Linear | Code 39, Code 93 Code 39 Full ASCII Code 128 A, B, C EAN 8, 13 EAN/UCC 128/GS1-128 EAN/UPC Appendix 2 EAN/UPC Appendix 5 FIM HIBC | Interleaved 2/5 Ident and routing code of Deutsche Post Codabar JAN 8, 13 MSI Plessey Postnet RSS 14 UPC A, E, E0 | | | |
| 2D and stacked | DataMatrix DataMatrix Rectangle Extension QR code Micro QR code GS1 QR code GS1 DataMatrix PDF 417 Micro PDF 417 UPS MaxiCode GS1 DataBar Aztec Codablock F Dotcode RSS 14 truncated, limited, stacked, stacked omni-direction All codes are variable in terms of height, modular width and ratio; orientations 0°, 90°, 180°, 270° check digit, plain text printout and start / stop code are options depending from the type of code | | | | |
| Software | | | | | |
| Label software | cablabel S3 Lite cablabel S3 Viewer cablabel S3 Pro cablabel S3 Print | | | | |
| Also running with | n CODESOFT NiceLabel BarTender | | | | |
| Stand-alone operation | 1 | | | | |
| Windows printer drivers WHQL certified fo | Windows Vista Windows 7 Windows 8 Windows 8.1 Windows 10 | Server 2008 Server 2008 R2 Server 2012 Server 2012 R2 Server 2016 Server 2019 | • | | |
| Apple Mac OS X printer drivers | from version 10.6 | | - | | |
| Linux printer drivers | from CUPS 1.2 | | • | | |
| Programming | JScript printer language abc Basic Compiler ZPL II (The datastream mu | ust be tested in advance.) | | | |
| Integration | SAP Database Connector | | | | |
| Administration | Printer control Configuration in Intranet a Network Manager (in prepa | | | | |

cab uses free and Open Source Software in its products. For information see www.cab.de/opensource

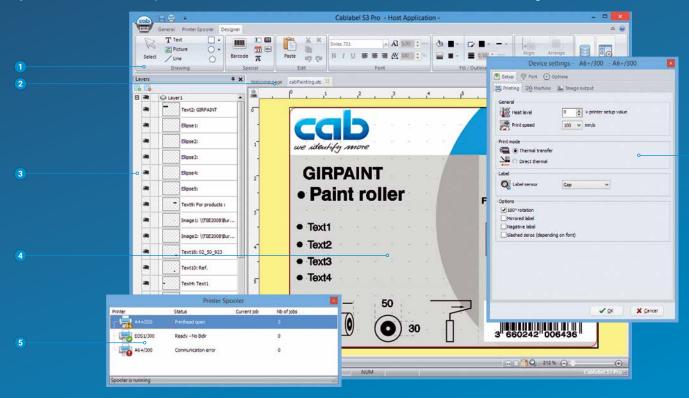
Label software cablabel S3

Designing, printing, administrating with cablabel S3

cablabel S3 opens up the full potential of cab devices.

First of all, the label must be designed. Only when it comes to printing it has to be decided whether the label shall be processed on a label printer, a print and apply or marking laser system.

cablabel S3 is of a modular design which makes it adaptable to requirements step by step. To support functions like native JScript programming, elements such as the JScript Viewer are embedded as plug-ins. The designer user interface and the JScript code are synchronized in real time. Special functions like the Database Connector or barcode testers can be integrated.



- Toolbar
 to create different label objects
- 2 Tabs
 to quickly switch from one running label design to another
- 3 Layers to administrate different label objects

- Designer
 simplifies the design and displays the label WYSIWYG
- 5 **Printer spooler**to monitor all print jobs and the state of the printer
- 6 **Drivers**for setting and the communication with devices

Printing in stand-alone operation

This operating mode is the printer's ability to select and print labels even when it is not connected to a host system.

The label has to be designed with a software such as cablabel S3 or by direct programming with a text editor on a PC. Label formats, texts, graphics as well as database contents are stored on a memory card, a USB memory stick or in the internal IFFS memory.

Only variable data are sent to the printer via a keyboard, a barcode scanner, scales or other host systems and/or recalled by the Database Connector from the host and printed.





Printer control and administration

Printer drivers

To control the printer with a software other than cablabel S3, cab provides drivers in 32 / 64 bit for operating systems starting from Windows Vista, Mac OS 10.6 and Linux with CUPS 1.2.



Windows1) drivers

cab printer drivers are certified according to WHQL. They ensure optimum stability on the Windows operating system.



Mac OS X²⁾³⁾ drivers

cab provides CUPS-based printer drivers for Mac OS X applications.



Linux drivers3)

Linux drivers are CUPS-based.

Free download on www.cab.de/en/support

Printer programming

JScript

Jacript To control the con

To control the printer, cab has developed the embedded programming language JScript. See manual for free download at www.cab.de/en/programming

ABC abc Basic Compiler

In addition to JScript and as an integral part of the firmware, it allows advanced printer programming before data are sent to printout. For example, external printer languages can be replaced without interfering in the current print job. Also data from other systems such as a scale, a barcode scanner or PLC can be integrated.

Printer integration

Printer Vendor Program

As a partner in SAP's⁴⁾ Printer Vendor Program, cab has developed a replace method to enable easy control of a cab printer via SAPScript from SAP R/3. Only variable data are sent to the printer by the host. Pictures and fonts that had priorly been stored in the local memory (IFFS, memory card, etc.) are merged.

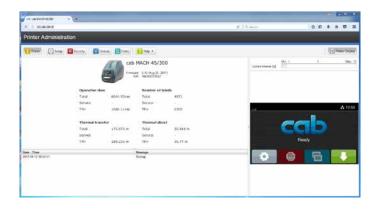


- 1) Windows is a registered trademark of Microsoft Corporation
- ²⁾ MAC OS X is a registered trademark of Apple Computer, Inc.
- $^{\scriptscriptstyle{(3)}}$ for device series SQUIX, MACH 4S, EOS, HERMES Q, PX Q
- ⁴⁾ SAP and all corresponding logos are trademarks or registered trademarks of SAP SE

Printer administration

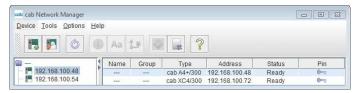
Configuration in Intranet and Internet

The HTTP and FTP server integrated in the printer via standard programs like a web browser or FTP clients allows printer control and configuration, firmware updates and memory card administration. Via email or SNMP, the SNMP and SMTP client datagram sends status, warning and error messages to administrators and users. Time and date are synchronized by a time server.



Network Manager in preparation

It is possible to simultaneously manage several printers within the network. Control, configuration, firmware updates, memory card administration, data synchronization and PIN administration are supported from one single location.



Database Connector

Printers connected to a network may directly access data from a central ODBC or OLEDB-ready database and print it on a label. While printing, data can be rewritten to the database.



Delivery program

| Pos. | | Part no. | Printers | |
|--|-------------------------------|--|--|--|
| 1.1 | Type B with tear-off edge | 5984631 5984632 5984633 | Label printer MAC Label printer MAC Label printer MAC Label printer MAC | CH 4.3S/300B CH 4S/300B |
| 1.2 | Type P with peel-off function | 5984634 5984635 5984636 5984637 | Label printer MAC Label printer MAC Label printer MAC Label printer MAC | CH 4.3S/300P CH 4S/300P |
| 1.3 | Type C with cutter | 5984638 5984639 5984640 5984641 | Label printer MAC Label printer MAC Label printer MAC Label printer MAC | CH 4.3S/300C CH 4S/300C |
| | | Scope of de | livery: | |
| | | Label printe Power cable | r Type E+F, length 1 cable USB, length 1 | |
| Online Online | | Configuration Service man Spare parts Programmin WHQL certific Apple Mac O Linux printer | list DE/EN Ig manual EN Ied Windows Printe Windows Vista Windows 7 Windows 8 Windows 8.1 Windows 10 S X printer drivers or drivers DE/EN/FR are cablabel S3 Lite Viewer | er drivers for Server 2008 Server 2008 R2 Server 2012 Server 2012 R2 Server 2016 Server 2019 DE/EN/FR |

| Pos. | | Part no. | Wear parts |
|------|---------|----------------------|--------------------------------------|
| | | 5977382.001 | Print head 4.3/200 |
| 2.1 | | 5977383.001 | Print head 4.3/300 |
| 2.1 | 11 4 4. | 5977444.001 | Print head 4/300 |
| | | 5977380.001 | Print head 4/600 |
| 2.2 | | 5984649.001 | Print roller DR4 |
| | | | |
| Pos. | | Part no. | Extra equipment |
| 2.3 | - | Part no. 5984223.001 | Extra equipment Print roller DR4-M25 |
| | | | • • |

Scopes of delivery, design and technical specifications correspond to the date of the printing. Subject to change. The data provided in the catalog do not represent any warranty or guarantee.

| Part no. Extra equipment | | | | |
|--|-------|--|--|---|
| | Pos. | | Part no. | Extra equipment |
| Seport S | | 111111 | 6010186 | External operation panel |
| Seport | | - 東京東 日本 | 5907718.850 | Connecting cable USB / 1.8 m |
| Sp07760.850 Connecting cable USB / 11 m | 2.6 | | 5907730.850 | Connecting cable USB / 3 m |
| Sp07765.850 Connecting cable USB / 16 m | | | 5907750.850 | Connecting cable USB / 5 m |
| 2.7 5977370 SD memory card | | | 5907760.850 | Connecting cable USB / 11 m |
| 2.7 5977370 SD memory card | | 4 | 5907765.850 | Connecting cable USB / 16 m |
| 2.9 5978912.001 USB WLAN stick | 2.7 | | 5977370 | SD memory card |
| 2.10 | 2.8 | | 5977730 | USB memory stick |
| 2.10 5977732 USB Bluetooth adapter 2.12 5948205 Label selection - I/O box Connecting cable RS232 C 9/9 pin, length 3 m 2.14 5984648.001 Roll holder 2.15 5984647.001 Ribbon holder 2.16 5984647.001 Ribbon holder External rewinder ER4/210 Pos. Part no. Label software Bundle cablabel S3 Lite (Download at cab.de/en) 5588001 cablabel S3 Pro 1 WS cablabel S3 Pro 1 wS cablabel S3 Pro 1 add. licence cablabel S3 Print 1 WS cablabel S3 Print 1 add. licence cablabel S3 Print 9 add. licences cablabel S3 Print 9 add. licences cablabel S3 Print 9 add. licences cablabel S3 Print Server Programming manual EN, | 2.9 | | 5978912.001 | |
| 2.12 | 2.10 | | 5977731 | |
| 2.13 | 2.11 | 7 | 5977732 | USB Bluetooth adapter |
| 2.14 5984648.001 Roll holder 2.15 5984647.001 Ribbon holder 5540750 External rewinder ER4/210 Pos. Part no. Label software Bundle cablabel S3 Lite (Download at cab.de/en) 5588001 cablabel S3 Pro 1 WS cablabel S3 Pro 5 WS cablabel S3 Pro 10 WS cablabel S3 Pro 10 WS cablabel S3 Pro 1 add. licence cablabel S3 Pro 4 add. licence cablabel S3 Pro 9 add. licence cablabel S3 Print 1 WS cablabel S3 Print 1 WS cablabel S3 Print 1 WS cablabel S3 Print 1 dd. licence cablabel S3 Print 1 add. licences cablabel S3 Print 9 add. licences cablabel S3 Print 9 add. licences cablabel S3 Print 9 add. licences cablabel S3 Print Server lip preparation cablabel S3 Print Server | 2.12 | | 5948205 | Label selection - I/O box |
| 2.15 | 2.13 | | 5550818 | |
| 2.16 Pos. Part no. Bundle 5588001 5588100 5588151 5588152 5588102 5588105 5588105 5588105 5588106 5588156 5588156 5588157 cablabel S3 Print 1 WS cablabel S3 Print Server programming manual EN, | 2.14 | # | 5984648.001 | Roll holder |
| Bundle cablabel S3 Lite (Download atcab.de/en) 5588001 cablabel S3 Pro 1 WS cablabel S3 Pro 5 WS cablabel S3 Pro 10 WS cablabel S3 Pro 1 add. licence cablabel S3 Pro 4 add. licences cablabel S3 Pro 9 add. licence cablabel S3 Print 1 WS cablabel S3 Print 5 WS cablabel S3 Print 10 WS cablabel S3 Print 1 add. licence cablabel S3 Print 1 add. licence cablabel S3 Print 1 add. licence cablabel S3 Print 5 WS cablabel S3 Print 1 add. licence cablabel S3 Print 5 WS cablabel S3 Print Server 11 10 | 2.15 | | 5984647.001 | Ribbon holder |
| Bundle cablabel S3 Lite (Download at cab.de/en) 5588001 cablabel S3 Pro 1 WS cablabel S3 Pro 10 WS cablabel S3 Pro 10 WS cablabel S3 Pro 1 add. licence cablabel S3 Pro 4 add. licences cablabel S3 Pro 9 add. licence cablabel S3 Print 1 WS cablabel S3 Print 5 WS cablabel S3 Print 10 WS cablabel S3 Print 10 WS cablabel S3 Print 1 add. licence cablabel S3 Print 1 add. licence cablabel S3 Print 9 add. licences cablabel S3 Print 9 add. licences cablabel S3 Print Server Programming manual EN, | 2.16 | | 5540750 | External rewinder ER4/210 |
| 11.7 1.7 | Pos. | | Part no. | Label software |
| 11.7 1.7 | | | Bundle | cablabel S3 Lite (Download at cab.de/en) |
| Programming manual EN, | 11.7 | School State of State | 5588100 5588101 5588150 5588151 5588152 5588002 5588105 5588106 5588155 5588156 | cablabel S3 Pro 1 WS cablabel S3 Pro 5 WS cablabel S3 Pro 10 WS cablabel S3 Pro 1 add. licence cablabel S3 Pro 4 add. licences cablabel S3 Pro 9 add. licence cablabel S3 Print 1 WS cablabel S3 Print 5 WS cablabel S3 Print 10 WS cablabel S3 Print 1 add. licence cablabel S3 Print 4 add. licence |
| | | | in preparation | cablabel S3 Print Server |
| | 11.10 | | 9009950 | |





cab product overview

Label printers MACH1, MACH2



Label printers EOS 2



Label printers EOS 5



Label printers MACH 4S



Label printers SQUIX 2



Label printers **SQUIX 4**



Label printers SQUIX 6.3



Label printer A8+



Label printer **XD4T** double-sided



Label printers XC two-colored



Print and apply systems HERMES Q



Print and apply systems Hermes C two-colored



Tube labeling systems **AXON**



Print modules PX Q



Labels and ribbons



Label software cablabel S3



Label dispensers HS, VS



Labeling heads



Marking lasers



Laser marking systems



