

Total freedom
at your
fingertips



Innovative freely-programmable OLED display keyboard with tactile keys for application-oriented variations on a single device *

* KeTop T20 techno

OLED displays for optimum legibility and energy efficiency, also available as a touchscreen option



Ultracompact, robust, low-weight housing for maximum reliability and fatigue-free operation

Customizable membrane keyboard

KeTop T20 – your benefits

OLED technology for optimum legibility



KeTop T20 terminals dispose over high-performance OLED displays, which are also available as a touch-screen option. Such displays are extremely energy-efficient and due to their high contrast, offer outstanding legibility. This brilliance permits maximum resolution, allowing the presentation of large amounts of information on a compact screen.

Application-optimized design



KeTop T20 is an extremely compact, lightweight device, which can be operated with one hand. This means that the other is constantly available for process support activities. The devices can be equipped with a diversity of optional, application-oriented operating elements, e.g. key switches, push buttons, hand wheels, potentiometers and axis selection switches, which allow them to be precisely adapted to every application.

Comfortable, fatigue-free left- and right-hand operation



Low-weight, compact and ergonomic design facilitates comfortable and fatigue-free operation. The devices are equally suitable for left- and right-hand operation and can be precisely matched to the hands of the respective user by means of an adjustable strap.

Software flexibility



Limitless application design is available. Teach or start-up applications can be realized in Visual Studio or in KeStudio ViewStandard (Java). Moreover, not only are remote solutions possible but also stand-alones using an IEC runtime system.

Perfect and rapid integration



KeTop T20 operating devices are supported by serial RS-232-C or RS-422-A interfaces and Ethernet as a standard feature. In addition, they can be linked to widely used bus systems such as CAN, PRO-FIBUS and RT Ethernet protocols such as EtherCAT, SERCOS III etc.

Safety as a standard feature



All the safety circuits are of dual circuit design. The three-position enabling switches can be operated lightly and therefore recognise user cramp and panic reactions. In response, machinery is reliably put into a safe mode.

Technical data

Measure

- Length: 226 mm
- Width: 82 / 162 mm
- Total height: 55 mm

Weight KeTop T20 techno

- 520 g

Weight KeTop T20 eco

- 480 g (without hand wheel)

Display

- OLED display with graphical capacity
- Size: 3,4" (75 x 42 mm)
- Resolution: PSP 480 x 272 pixels
- Presentation: 65536 colours
- Touchscreen: analogue-resistive (optional)

Membrane keyboard KeTop T20 techno

- 28 keys with tactile feedback
- Characteristics: freely designable, any number of keyboards

Membrane keyboard KeTop T20 eco

- 36 keys with tactile feedback
(16 keys version with handwheel)
- Characteristics: KEBA robotics

Operating elements (up to two freely selectable)

- Rotary override switch / axis selection switch / key switch / push button

Operating elements in the keyboard section KeTop T20 eco

- Optional hand wheel, magnetic locking, 100 impulses/rotation

Safety elements (wired outwards)

- 2 enabling switches (3-position, dual circuit),
- Emergency off switch (dual circuit)

Processor

- OMAP3503 (ARM Corter A8)

Memory

- 64 MB Flash, 64 MB SDRAM

Exchangeable memory KeTop T20 techno

- Micro SD card

Exchangeable memory KeTop T20 eco

- Micro SD card (optional)

Transfer interfaces KeTop T20 techno

- USB 2.0

Transfer interfaces KeTop T20 eco

- USB 2.0 (optional)

Communications interfaces

- Ethernet 10/100 Mbit/sec
- RS-422-A or RS-232-C

Power supply

- 24 V DC

Power consumption KeTop T20 techno

- 250 mA at 24 V DC

Power consumption KeTop T20 eco

- 200 mA at 24 V DC

Environmental conditions

- Operating temperature: 0 °C to 45 °C
- Storage temperature: -20 °C to 70 °C
- Relative humidity: 5% to 95%
(T20 eco: non-condensing)
- Vibration resistance: 10 Hz ≤ f ≤ 57 Hz with 0,075 mm, 57 Hz ≤ f ≤ 150 Hz with 1 g (EN 61131)
- Impact resistance: 15 g / 11 ms (EN 61131)
- Protection: IP 65

Operating system

- Windows CE .NET 6.0

Image

- CES: Image for Windows CE Standard

Order designation KeTop T20 techno

- KeTop T20T-xx-CES

Order designation KeTop T20 eco

- KeTop T20-xx-CES

KeTop T20

The new compact one-hand operating terminal with maximum performance and even greater freedom during mobile operation

The newest and smallest addition to the KeTop family offers even greater freedom during mobile operation.

- Genuine, one-handed operation – the other is always free for process support activities
- Versatile and therefore cost-efficient. One device for:
 - ✓ Machine control
 - ✓ Teaching
 - ✓ Visualization
- Simple integration via Ethernet, RS-232-C and RS-422-A interfaces
- Fastest in the compact class due to an OMAP3503 processor (ARM Cortex A8)
- The maximum availability derived from robustness
- Compact, ergonomic, low-weight design for comfortable, fatigue-free working
- Optimum legibility owing to a high-contrast OLED display
- An unlimited number of keyboard layouts on a single device provided by a freely programmable OLED display keyboard with tactile keys *
- Device optimization for specific applications by means of numerous, optional operating elements and the possibility of individual keyboard design

* KeTop T20 techno

KeTop quality in all performance classes!

The successful **KeTop** family has been supplemented by the **KeTop T20**, a small, lightweight, one-hand operating device with maximum performance.



KeTop T100



KeTop T50



KeTop T20

AT: KEBA AG, Gewerbestraße 1, A-4041 Linz, Phone: +43 732 7090-0, Fax: +43 732 730910, E-Mail: keba@keba.com
DE: KEBA GmbH Automation, Leonhard-Weiss-Straße 40, D-73037 Göppingen, Phone: +49 7161 9741-0,
Fax: +49 7161 9741-40, E-Mail: keba@keba.com
Agimatec GmbH, Adenauerallee 73, D-53113 Bonn, Phone: +49 228 184 869 80-20, Fax: +49 228 184 869 80-15,
E-Mail: info@agimatec.de
RO: KEBA Automation S.R.L., 27, Comandor Eugen Botez Str., RO-020702, Sector 2, Bukarest,
Phone/Fax: +40 21 212 3032, E-Mail: romania@keba.com
TR: KEBA Türkiye, Ayten Sokak 32/3, TR-06580 Mebusevleri Ankara, Phone: +90 312 213 7101,
Fax: +90 312 212 7106, E-Mail: turkey@keba.com
I: KEBA Italy, Via Alfieri 25, Tortona (AL), Italy, Phone: +39 345 507 83 22, Fax: +43 732 7090-66630,
E-Mail: tdo@keba.com
CZ: KESAT a.s., Jiraskova 65, CZ-58601 Jihlava, Phone: +42 56 730 9528, Fax: +42 56 731 0009, E-Mail: kesatcz@volny.cz
US: KEBA Corp. US, 100 West Big Beaver Road, Troy, MI 48064, US, Phone: +1 248 526-0561, Fax: +1 248 526-0562,
E-Mail: usa@keba.com
CN: KEBA Industrial Automation (Shanghai) Co., Ltd., 1F Block B, Building 15, Caohejing PuJiang Hi-Tech Park,
No. 188 Xinjun Ring Road, Shanghai 201114, China, Phone: +86 21 34637166, Fax: +86 21 34637155,
E-Mail: china@keba.com
Office Ningbo, Office Park A902, No. 535 Qingshuiqiao Road, Hi-tech Zone, Ningbo 315040, China,
Phone: +86 574 8701 9332, Fax: +86 574 8701 9338
Office Guangzhou, H Unit, 19th floor, SanXin Plaza, No. 33 West HuangPu Avenue, Guangzhou 510620,
GuangDong Province, China, Phone: +86 20 38202890/91/92/93, Fax: +86 20 38202866
CBPM-KEBA, Banknote Processing Technologies (Beijing) Co. Ltd., 5 Zhong He Road, Science City, Feng Tai District,
Beijing 100070, China, Phone: +86 10 8367 6868, Fax: +86 10 8367 6969, www.cbpm-keba.com
TW: KEBA Ltd. Taiwan, 4F, No. 101, Sec.3, Nanjing E. Rd., Taipei 104, Taiwan, Phone: +886 9 3221 2811,
Fax: +886 2 7701 6977, E-Mail: taiwan@keba.com
JP: KEBA Japan, c/o ENBC, Shiodome Eiwa Bldg. 3F, 1-2-7 Hamamatsucho, Minato-ku, Tokyo Japan,
Phone: +81 3 5408 8458, Fax: +81 3 5428 8457, E-Mail: suz@keba.com

www.keba.com

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