KeTop T200

Safe and ergonomic operation with the tablet for industry

The mobile KeTop T200 terminal features an ergonomic housing with a brilliant, HD-ready display. Thanks to fast processors, it is perfectly suited for demanding visualization and operating applications. With integrated safety elements, performance on a PC level and Windows Embedded Standard 7®, it is a full-fledged replacement for stationary panels. Unique features, such as performance that grows with the application as well as an additional, optional keyboard at the rear side of the device, make the KeTop T200 a long-lasting and versatile hand-held control unit.

Mobile PC performance with investment protection

The KeTop T200 is a user-friendly, mobile control device with the power of a small IPC. Modern, user-friendly interfaces are displayed quickly and smoothly thanks to the powerful combination of Intel Atom® processors and Windows Embedded Standard 7®. For the first time, standard tools for Windows® can be used in mobile applications in industrial environments.

The modular design of the KeTop T200 facilitates a simple processor upgrade to meet the demands of future tasks with increasing software requirements. Neither modifications to the visualization solution and software nor interventions in the machine concept are necessary for this.

Cost-effective replacement for stationary panels

To efficiently operate larger machines, multiple stationary terminals at various locations are normally needed. With the high-performance KeTop T200, these stationary panels can be replaced by a single mobile terminal. An optional bracket enables mounting at any desired operating point on the machine, allowing it to be operated with the KeTop T200 as with a fixed panel. To make further entries at other locations on the machine, the operator simply takes it along directly to the desired location.

Already existing, stationary visualization solutions can be reused. For a combined use of stationary and mobile panels a universal applicable visualization can be created in a single step.

KEBA®

Automation by innovation.

KeTop T200 – the tablet for industry

Safe and rugged

The rugged, ergonomic housing of the KeTop T200 has a thin profile and reminds of a modern tablet. In spite of its size, the housing design is compact, allowing it to fit perfectly in the hand, even for longer periods of use. The operating elements located along the edge of the housing can also be easily and precisely activated.

The KeTop T200 is made primarily for use in landscape orientation but is also suitable for use in portrait orientation. A triggering of unintended touch operations that can be caused by the accumulation of dirt particles is prevented thanks to its sophisticated housing design.

To further increase the ease of use, an additional keyboard to be mounted at the rear side of the housing is optionally available. Numerous applications in which just a few buttons are pressed frequently (e.g., Menu, Home, Back, …) benefit from this unique feature.

The KeTop T200 can be operated comfortably and safely by both right-handed as well as left-handed people, as it can be equipped with up to two enabling switches. An emergency-stop button is available as further safety element. The USB connection at the rear side of the device for data backup is fully IP65 compliant even without a cover.

Technical data

Housing
- LxWxH [mm]: approx. 350 x 275 x 110
- Weight: approx. 1850 g (without cable)
- Color: RAL 7016 Anthracite grey
- Material: ABS-PC
- Protection class: IP 65

Display
- Size: 10“
- Resolution: WXGA, 1280 x 800 Pixel
- Touchscreen: analog resistive

Operation elements:
- Selection switch: 2, 4 or 16 positions
- Key switch
- Push buttons
- Membrane keyboard with max.
  36 tactile keys on the front side
  12 tactile keys on the rear side

Safety elements
- 3-level enabling switch
  (3 levels, 2 channels, B10d=1.000.000)
- Emergency stop button (2 channels, B10d = 250.000)
- Safety category PLe according to EN 13849-1 resp. SIL3 according to EN 61508 (with 1 enabling switch: achievable), optional safety electronics

Processor
- Intel Atom E3815

Memory
- 32 GB Flash, 4 GB RAM

Communication interface
- Ethernet 10/100 Mbit/s

Data back-up
- USB 2.0

Power supply
- 24 V DC

Power consumption
- up to 15 W

Current consumption
- max. approx. 400 mA at 24 V DC

Ambient conditions
- Operating temperature: 0 to 45 °C
- Storage temperature: –25 to 70 °C
- Relative humidity: 5 to 95% (non-condensing)
- Vibration resistance / shock-proof
  according to EN 61131-2

Certifications
- UL, CE, SIBE (optional)

Options:
- Wall bracket w/o cable hook

Directives:
- Machine directive 2006/42/EG
- EMC directive 2004/108/EG
- RoHs directive 2011/65/EU

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