

HMI

# KeTop T70

Effective mobile operation,  
brilliant visualization



The mobile terminal KeTop T70 with its high-resolution display and fast processors is perfectly suited for demanding visualization and operating applications. Its robust housing is ergonomically shaped and light, enabling long and exhaustion-free operation. Unique features such as a performance that grows with the application, as well as an additional, optional rear side keyboard make KeTop T70 a long-term and versatile hand-held control unit.

## Features optimally combined

The user-friendly user interfaces of a modern visualisation device must be executed quickly and smoothly. The KeTop T70 has the most powerful x86 processor in its class.

It is a very compact, mobile operating device with full Windows 10 IoT Enterprise and is suitable for almost all applications. Thanks to the drivers for communication with Siemens and Beckhoff controllers as well as general protocols such as Modbus TCP and OPC UA, the device can be easily integrated into almost any controller.

The compactness is additionally supported by the portrait format. During teach-in, it is often necessary to read code lines on site at the operating device. These can be optimally displayed in portrait format and are thus easy to read. A simple hook fastening, a magnetic holder and a stylus holder increase the ergonomics and also keep the device very compact.

## Greatest operating efficiency thanks to rear side keyboard

The greatest ergonomics plays a decisive role when it comes to hand-held control units. During an analysis of users' operating behavior, it was determined that experienced teachers frequently press several buttons at the same time in order to work more efficiently. Therefore, an optional keyboard was developed for the rear side of KeTop T70, which allows the simultaneous programming of several robot axes, for example. However numerous other applications where just a few keys are pressed frequently (e.g. Menu, Home, Back, etc.) can profit from this unique feature.



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## Effective mobile operation, brilliant visualization

### State-of-the-art optics and best ergonomics

The plain, joint-free installation of the KeTop T70 display allows best user experience – even with frequent changes between touch display and keyboard operation. Operating elements placed on the edge of the housing can also be activated easily and precisely. Thanks to the flush display installation, unintended touch triggers due to dirt particle accumulations are excluded, as are the burning in of sweat spatters.

The high-resolution display is installed in portrait format, which enables an especially compact housing design and makes a device that lies perfectly in the hand. If necessary, the touch screen can also be operated with a stylus, which is kept ergonomically and securely in an opening on the rear side of KeTop T70.

Data can be backed up on a USB stick. Smaller sticks will also fit under the closed USB cover and are thus fully IP 65-protected.

### Technical data

#### Housing

- LxWxH [mm]: approx. 250 x 210 x 50
- Weight: approx. 950 g (without cable)
- Color: RAL 7016 Anthracite grey
- Material: ABS-PC
- Protection class: IP 65

#### Display

- Size: 7" (153 x 90 mm)
- Resolution: WSVGA. 600 x 1024 pixels, 16 million colors
- Touch screen: analog resistive

#### Operating elements

- Selection switch 4 levels
- Rotary switch 16 levels
- Key switch
- Illuminated push button (impulse or click-stop function)
- Handwheel 50 increments
- Membrane keyboard with max. 20 tactile keys on the front side  
12 tactile keys on the rear side

#### Safety elements

- 3-level enabling button (2-circuit)
- Emergency stop: unlighted and illuminated (for usage with hot plug box CB310)

#### Processor

- Intel Celeron N2807

#### Memory

- 64GB or 256 SSD Flash, 8GB eMMC Flash, 4GB RAM

#### Communication interface

- Ethernet 10/100 Mbit/s

#### Driver for keys and operating elements

- Siemens S7
- ADS (Beckhoff)
- Modbus TCP
- OPC UA (DA)

#### Data back-up

- USB 2.0

#### Power supply

- 24 V DC

#### Current consumption

- max. approx. 530 mA at 24 V DC

#### Ambient conditions

- Operating temperature:  
0 °C to 40 °C dual core
- Storage temperature: -25 °C to 70 °C  
Relative humidity: 5% to 95% (non-condensing)
- Vibration resistance / shock-proof  
according to EN 61131-2

#### Certifications

- UL, CE

#### Options

- Magnetic holder