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.

Protection of investment with performance that grows

The user-friendly operating interface of a modern visualization device must be quick and fluid. Thus, KeTop T70 can be equipped with a selection of extremely high-performance ARM processors. However, the computing power should not only be sufficient when the device is purchased, it should also be able to handle future tasks with increasing software requirements, something that generally requires better hardware.

KeTop T70 therefore is built in modular design, which means that it is easy and quick to upgrade to newer processor technologies. Such an upgrade can be done without adaptations of the visualization solution and software; no interventions in the machine concept are required for this.

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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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. 960 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
- Push buttons
- 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 button (2-circuit)

Processor
- Cortex A9® single and dual core

Memory
- 4 GB Flash, at least 1 GB RAM

Communication interface
- Ethernet 10/100 Mbit/s

Data back-up
- USB 2.0

Power supply
- 24 V DC

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

Ambient conditions
- Operating temperature:
  0 °C to 40 °C dual core
  0 °C to 45 °C single 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

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