PROFI MULTITOUCH

FORSIS®
Die Marke für Industrie PCs

The application possibilities of the PROFI MT series are virtually inexhaustible. Due to the different LCD sizes and the scalability of the CPU design, the devices can be used for simple data acquisition but also for the most complex tasks.

In particular, the possibility of getting thinner and harder cover materials and the associated better viewing angles was the impetus enough for us to strive for this redesign.

In addition, the active touch area was delimited even more clearly by the housing design, making operation easier.
The cutout for the optional RFID reader is also detached. It is now only available if a reading unit is also integrated. The front cover of the contactless reader is also made of glass.

The eleventh motherboard generation (TIGER LAKE) from INTEL is our CPU standard for the PROFI MT series. I-Celeron, i3 and i5 CPU types are offered.

The LCD diagonals are growing continuously.
24 "has established itself, also the 27 "LCD diagonal.
We aim here for complex and extensive representations. Of course, also on the visualization of CAD drawings or the mapping of order folders. The gesture technique during input is fully supported.

The special features

- LCD sizes in 16: 9 format: 18.5", 21.5", 24" and also 27"
- LCD sizes in 4: 3 format: 15"
- **Capacitive touch panel can also be operated with gloves and even with water**
- Degree of protection: IP65 on the front, IP52 on the connection side
- Uniform IPC platform with the latest CPU technologies
- Integration of RFID readers
- Simple mounting options with VESA 100
- Modular device structure
- Many interfaces, very accessible, yet protected
- Simple and service-friendly housing technology
- Housing material made of sheet steel: powder-coated on the outside, RAL 7015 (slate gray), galvanized on the inside
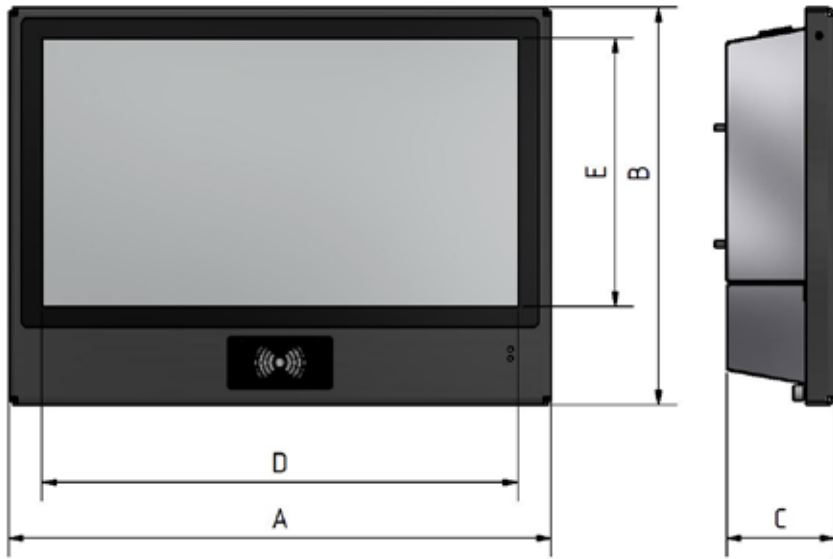
INDUSTRIE

Product information
PROFI Series - MULTITOUCH

Technical features

Measures and weight

Information on the dimensions in mm
to the weight in kg

PROFI MT	Overall dimensions			Active touch field			Weight
	A - Width	B - Height	C - Depth	D - Width	E - Height		
1850	467	342	94	413	233		10
2150	532	382	105	477	268		12
2400	608	418	105	532	299		13
2700	676	418	105	600	338		15

Mainboard and CPU variants

		state	1850	2150	2400	2700
LCD size / format 16:9 / solution			18,5" / FHD	21,5" / FHD	24" / FHD	27" / FHD
touchscreen technic / interface / IP protection class front			capacitive multitouch / USB / IP67			

	TIGER LAKE		
CPU INTEL® Celeron© 6305E TGL		▪	
CPU INTEL® I3© 1115G4E Tigerlake		▪	
CPU INTEL® I5© 1145G7E Tigerlake		▪	
UEFI BIOS Support / TPM2.0		▪ / ▪	
RAM / max. RAM / SSD MSATA M.2		8 GB / 32 GB / 128 GB	
USB 3.1 Gen.2 / LAN		4x / 1x 1Gbit und 1x2,5 Gbit	
optional interface: serial RS232 / WLAN-BT		2x / 1x	

Product information

Technical features

Touchscreen technology and front area

With the new design of the front section of the PROFI MULTITIOCH, a lot of emphasis was placed on quality and „look and feel". Check it out for yourself!

- Gloves: Working with almost all types of gloves is possible with the MULTITOUCH. However, it may be necessary to adapt to the glove thickness. This is done via a special adjustment in the touch controller.
- Standing water and the ball of the hand
- Moisture on the glass surface can also be ignored.
- Along with the palm rest, which can be hidden.

RFID reader with glass cover
The front area, behind glass, offers the possibility of installing contactless reader systems.

- LEGIC © (advant),
- mifare © (DESFire) and
- hitag © are offered.

But SMART Card functions are also possible.
The reader cutout is only available if an RFID reader is installed.
We support phg, ELATEC and interflex.
USB HID or redirection to the serial interface are possible as interfaces.

Connection and cable deployment

OPTIONAL: Cable protection / strain relief - connection side
All cable connections are on the back and go downwards.
4-6 screw terminals are attached to a carrier to relieve strain on the cables.

This carrier can be removed using a secured knurled screw.
Specifically: simple and one-time installation of the cables.
The cable carrier remains at the place of use even if the device is replaced.

OPTIONAL: protective cover - rear view
To protect the plug connection, the entire connection side can be closed by a protective cover.
The cover is secured with 2 stud bolts and 2 knurled screws.

Technical features

More options

Connection area
Flexibility is consistently a top priority in this area as well.
To work with both hands, it is possible to build a 2D barcode scanner into the protective cover. This is connected via USB.
An additional barcode reader can always be operated in parallel.

Barcode reader as an add-on version
Basically the same benefits as above.
But the angle of the 2D barcode reading beam can now be adjusted.
This special mounting bracket can also be retrofitted at any time.

OPTIONAL: Stand or wall bracket - the main thing is VESA 100
The mounting points on the PROFI are standardized according to VESA 100, in the form of threaded bolts on the rear of the device.
FORSIS offers a table holder or a stand for mounting. A shortened version is available for mounting on the wall so that the device comes as close as possible to the wall.

Alternatively, FORSIS offers a complete assembly system with columns, swivel arms and arms supported by gas spring pressure. Also always with keyboard shelf.

Antenna technology according to IEEE802.11 ac / g / n
FORSIS offers its own MIMO (Multiple-Input-Multiple-Output) antenna for all device series. MIMO antenna systems offer higher data transmission rates, greater ranges and are not only „immune" to multipath propagation, but even take advantage of it. A MIMO system is therefore best suited for use in indoor industrial areas without a direct line of sight between a PC and an AP / router. In addition to the implementation of the n-standard, our aim was to develop a robust antenna (protection class IP65). You can find more about this in the special data sheet for the antenna.