

## Industrial Panel TFT Panel

The GEMIT industrial panel GFP15 is a flat screen TFT operator control and monitoring panel with integrated touch screen and membrane keyboard. It was especially designed for mounting in a 19" cabinets. Great importance was attached on the design and the ease of assembly.



### Industrial compatibility:

- Ultra-compact design for mounting in swivels, cabinets and consoles
- Degree of protection IP65, NEMA 4 (front)
- Rugged aluminum die-cast housing
- High brightness display
- Shock resistance during operation
- MTBF for back-lighting: 40.000 h at 24-hour continuous operation
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### Connectivity:

- DVI or VGA Display connection
- 1 x USB front side connector in front panel
- 1 x USB backside connector

## Panel Specification

Signal Input:	Direct DVI or VGA connection
Front Panel:	Al-Mg, NEMA4 / IP65 conform
Mounting type:	Panel-, Rack mounting
Mounting dimensions:	485 x 355 x 71 mm (W x H x D)
Weight:	5,9 kg (13,1 lbs)
Energy:	External Power Supply +12V @ 2,5A (scope of delivery)
Operating Temperature:	0 ~ 50° C (32 ~ 122° F)
Storage Temperature:	-20 ~ 60° C (-4 ~ 140° F)
rel. Humidity:	5 ~ 95% non condensing
Vibration:	5 ~ 500 Hz, 1 Grms (operation, random)

## LCD Display Specifications

Display type	XGA TFT LCD
Size	15"
max. Colors	16,2 Mio
Resolution	1024 x 768 Pixel
Reading angle	140° (H) / 120° (V)
Brightness	550 cd/m <sup>2</sup>
Illumination	MTBF: 40.000 hours
Contrast	500 : 1

## Touch Screen Specification

Type	Analog resistive
Mounting type	With special frame. The Touch can be replaced without destruction of the membrane keyboard
Resolution	1024 x 1024
Transparency	75%
Controller output	USB
Endurance	1 Mio. Contacts per point
Calibration	Stored in internal flash

## Keyboard Specification

Type	Membrane Matrix keyboard
No. Keys	56
Key codes	numeric and alphanumeric key codes can be updated or changed "In-system" with GEMIT PTool software over USB interface
Special keys	8 keys F1-F8 + 8 keys S1-S8