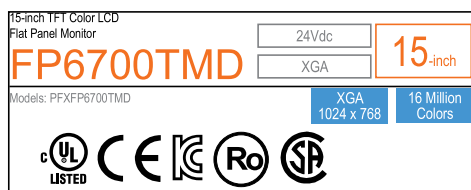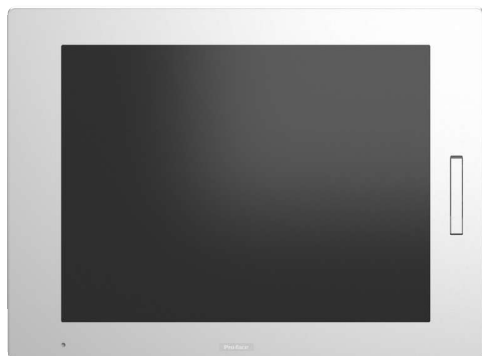# 15" Industrial Flat Panel Display - FP6700TMD

Features:
- XGA Display TFT Touch Panel
- 16 Million colors
- Multi-touch gesture operation
- Automatic brightness adjustment sensor
- Supports Win10IoT Ent 2019 LTSC & Win10 (build 1809 or later)
- Automatic resolution adjustment
- Class 1 Div 2
- Flexible - Panel or VESA mounting, in Landscape or Portrait mode

15-inch TFT Color LCD
Flat Panel Monitor
FP6700TMD 24Vdc | XGA | 15-inch

Models: PFXFP6700TMD | XGA 1024 x 768 | 16 Million Colors

Performance Specifications

Model	PFXFP6700TMD
Display Type	15" TFT Color LCD
Touch Panel	Resistive (analog) multi-touch (two-point touch)
Display Colors	16 Million Colors
Display Area	304.13 x 228.1 mm (11.97 x 8.98 in)
Graphics Display Resolution	1,024 x 768 pixels (XGA)
Backlight	White LED (Not user replaceable. When replacement is required, contact your local distributor.)
Backlight service life	50,000 hours or more (continuous operation at 25ºC [77º F] before backlight brightness decreases to 50%)
Video interface	DVI (Digital signal) 5M, Connector: DVI-D 24 pin (socket) x 1
USB (Type A)[*1]	USB 2.0 (Type A) x 1
USB (Type B)	USB 2.0 (Type B) x 1

[*1] Only FP-6●00TM

General Specifications

Model	PFXFP6700TMD
Rated Input Voltage	24Vdc
Power Consumption	22.4W or less (Backlight ON: 100% (Power is supplied to external devices)), 9.4W or less (When screen turns off the backlight (standby mode))
Voltage Drop	10 ms or less
Voltage Endurance	1,000 Vac for 1 minute (between charging and FG terminals)
Insulation Resistance	500 Vdc, 10 MΩ or more (between charging and FG terminals)
Certifications	UL 61010-2-201 and CSA C22.2 N°61010-2-201, CE, KC, RCM, RoHS, Haz Loc Class 1, Div2[*2], ATEX/IECEx Zone 2/22*1, DNV-GL
Storage temperature	-4 to 140ºF (-20 to 60ºC)
Surrounding air and storage humidity	10% to 90% RH (non-condensing, wet bulb temperature 39 ºF, [102.2 ºF or less])
Dust	0.1mg/m^3 (10^{-7} oz/ft^3) or less (non-conductive levels)
Noise Immunity	Noise voltage: 1,000 Vp-p, Pulse duration: 1 µs, Rise time: 1 ns, (via noise simulator)
Grounding	Functional grounding: Grounding resistance of 100Ω, 2 mm2 (AWG 14) or thicker wire, or your country's applicable standard (same for FG and SG terminals).
Electrostatic Discharge Immunity	Contact discharge method: 6 kV (IEC/EN 61000-4-2 Level 3)
Vibration Resistance	IEC/EN 61131-2 compliant, 5 to 9 Hz single amplitude 3.5 mm (0.14 in), 9 to 150 Hz fixed acceleration: 9.8 m/s2, X, Y, Z directions for 10 cycles (approx. 100 min.)
Weight	4.9 kg (10.8 lb) or less
External Dimensions	397 x 296 x 67.5 mm (15.63 x 11.65 x 2.66 in)
Panel Cut-Out Dimensions	383.5 x 282.5 mm (15.1 x 11.12 in) Panel thickness area: 1.6 to 5 mm (0.06 to 0.2 in)
Warranty	Two (2) year

[*2] Some products are not yet rated as suitable for use in hazardous locations. Always use your product in conformance with the product labeling and this manual.

FP6700TMD - External Dimensions

397
15.63

67.5
2.66

6.7
0.26

296
11.65

(C)

(A)

(B)

mm
in

A. Front
B. Left
C. Bottom
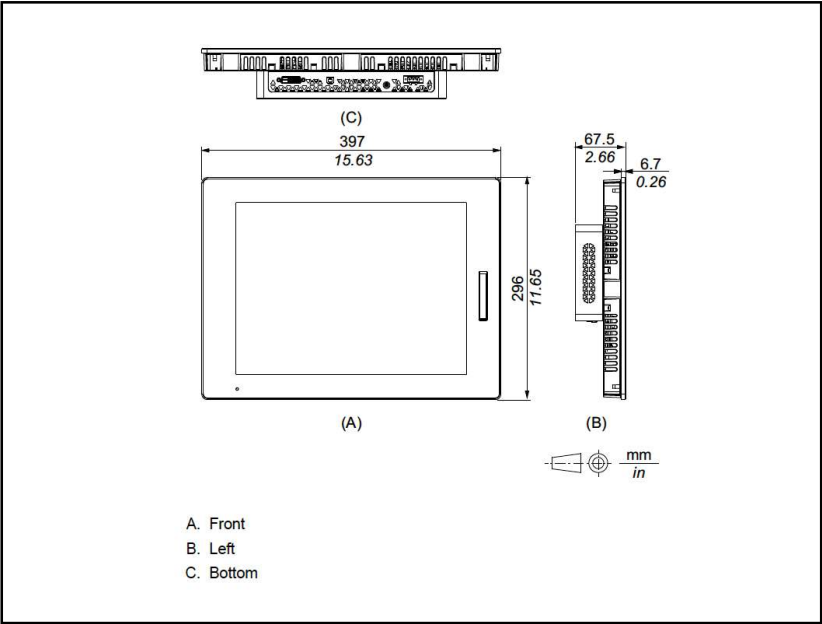
Ordering Information

Part Number	Description
PFXFP6700TMD	15" TFT Color LCD, 24 Vdc

Accessories or Replacement Components

Product Name		Part Number
USB Cable	5m	FP-US00
DVI-D Cable	5m	FP-DV01-50
15-inch Installation Gasket		PFXZCDWG151
15-inch Screen Protection Sheet (5 sheets/set)		CA3-DFS15-01
Installation Fastener		PFXZCAF1
Panel Cutout Adapter*3		PFXZPAT7W1

Caution: Before operating any of these products, please be sure to read all related manuals thoroughly.
- All product names used in this document are trademarks or registered trademarks of their respective companies.
- All information contained in this document is subject to change without notice.

*3The range for the allowable panel thickness varies depending on the panel cut adapter. For information, refer to the panel cut adapter instruction manual.

FP6700TMD - Cut-Out Dimensions

mm [in.]

A

r ≤ 3 [0.12]

C

B

A	B	C
383.5 mm (+1/-0 mm) (15.1 in [+0.04/-0 in])	282.5 mm (+1/-0 mm) (11.12 in [+0.04/-0 in])	1.6 to 5 mm (0.06 to 0.2 in.)

Screen Protection Sheet
(5 sheets/set)

USB Cable

DVI-D Cable

Installation Fastener
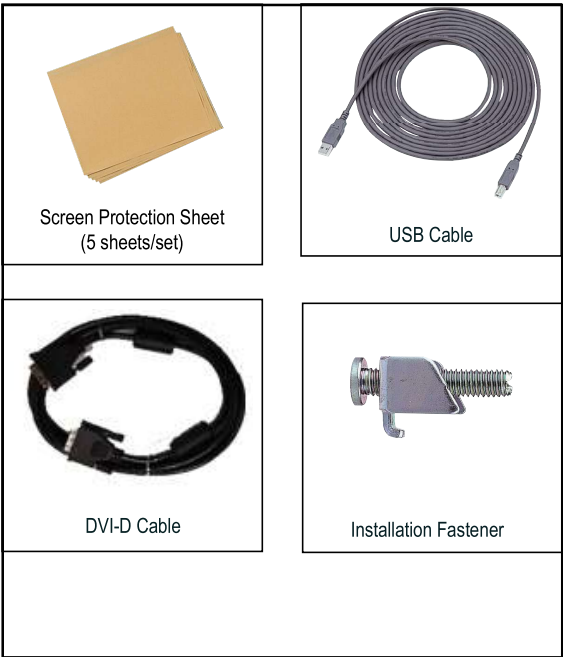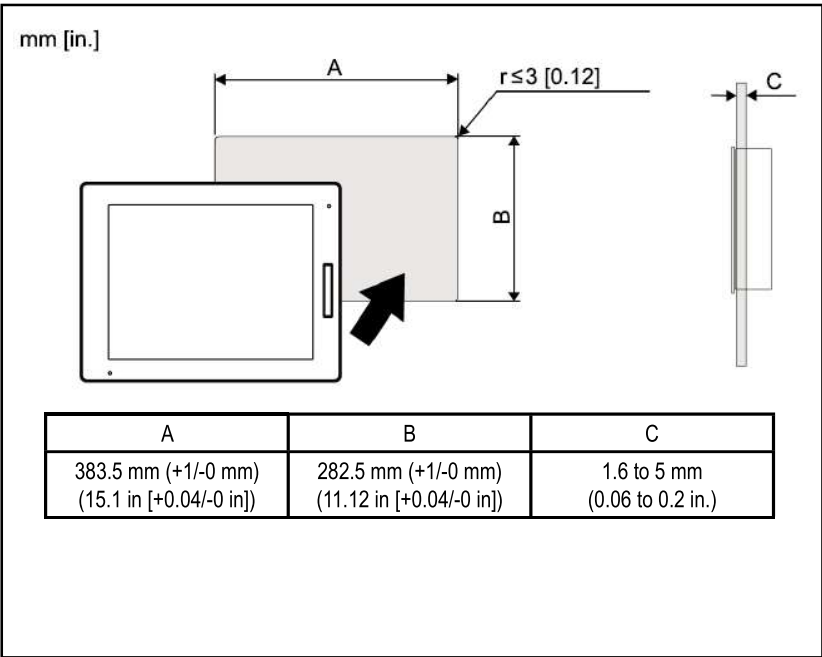
For more information: www.tormatic.no