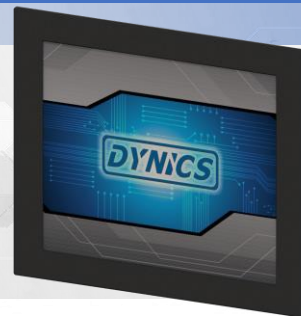




ThinManager® FX-PT



FX-PT | Industrial Workstation (ThinManager®)

DYNICS FX-PT is an industrial PC with ThinManager® enabled, designed to be a simple drop-in replacement for proprietary systems, within industrial environments.

- Fan-less (No Moving Parts)
- 24VDC Power Entry
- UL Listed
- ThinManager® Ready

DISPLAY SPECIFICATIONS

SIZE	12.1"	15"	17"	19"
RESOLUTION	SVGA 800 x 600	XGA 1024 x 768	SXGA 1280 x 1024	SXGA 1280 x 1024
VIEW ANGLE	H: -80°/+80° V: -80°/+80°	H: -85°/+85° V: -80°/+80°	H: -89°/+89° V: -89°/+89°	H: -89°/+89° V: -89°/+89°
CONTRAST	700:1	600:1	1000:1	1000:1
BRIGHTNESS	450 nits	350 nits	350 nits	350 nits
ASPECT RATIO	4:3	4:3	5:4	5:4
LENS	5-Wire Analog Resistive (Touch Screen)			
LCD LIFE	50,000 Hour Backlight Half-Life			
BEZEL	NEMA 4 Powder Coat Finish – Suitable for mounting on a flat surface of an enclosure rated Type 3R, 3S, 4, 5, and / or 12 (IP66 Self-Declared) (NEMA 4X Stainless Steel Food Grade Available, Call DYNICS)			

PC SPECIFICATIONS

	Intel® Apollo Lake
COMPUTER I/O	
1Gb Ethernet Ports	2x
RS232/422/85 Ports	1x
RS232 Ports	3x
VGA Port	1x
HDMI Port	1x
USB 2.0 Ports	2x
USB 3.0 Ports	2x
Audio Jack (Line-Out)	1x
CPU	Intel® Apollo Lake N3350
CPU SPEED	Up to 2.4 GHz, 2MB Cache (2 Cores, 2 Threads)
MEMORY	4GB DDR3
POWER SUPPLY	24VDC (3-Pin) Power Entry
TEMPERATURE	Operating: 0°-50°C 32°-122°F Non-Operating: -25°-60°C -13°-140°F
RELATIVE HUMIDITY	Non-Condensing: 20% - 80%
SHOCK	Operating: 10G Non-Operating: 15G
VIBRATION	Operating: 1.0G from 57~2000Hz Non-Operating: 2.5G from 57~2000Hz
THINMANAGER®	ThinManager® Enabled
THINMANAGER® SERVER SYSTEM REQUIREMENTS	Minimum requirements ThinManager® 11.0 or newer, TermCap 9.12.1.43 or newer, and firmware package 11.0.0 or newer; Recommended ThinManager® V12.0, no updates required. Termcap.db.9.12.1.43 termcap file TermPack-11.0.0.pkg firmware package
INCLUDED COMPLIANCE	1x 6ft. Power Cable - USA: UL Listed, UL61010-1+UL 61010-2-201, FCC 47CFR Part 15 Class A - Canada: cUL Listed, CSA C22.2 No. 61010-1-12+CSA C22.2 NO. 61010-2-201, ICES-001, Class A - EU: EN 61010-1:2010, EN 61010-1:2010/A1:2019, EN IEC 61010-2-201:2018 - RoHS Directive 2011/65/EU, EN 50581, EMC Directive 2014/30/EU
WARRANTY	24-Month limited warranty. Extended warranty available, contact DYNICS for more details.



ORDERABLE PART NUMBERS

Part Number	I/O Description
FX12PT-DC-TM-001	FX12 – 12” LCD SVGA 4:3 Aspect Ratio, 5-Wire Resistive Touch, NEMA 4 Black Powder Coat with Thin Manager Enabled: Intel Apollo Lake N3350 Dual Core up to 2.4GHz Turbo embedded processor, 4GB DDR3 RAM, 24VDC Power Entry (3-Pin Quick Disconnect Included), fanless, no moving parts, aluminum heat sink. I/O Ports: 2x 1Gb Ethernet, 2x USB 3.0, 2x USB 2.0, 1x RS232/422/485, 3x RS232, 1x VGA, 1x HDMI, 1x Audio Jack (line-out)
FX12PT-AC-TM-001	FX12 – 12” LCD SVGA 4:3 Aspect Ratio, 5-Wire Resistive Touch, NEMA 4 Black Powder Coat with Thin Manager Enabled: Intel Apollo Lake N3350 Dual Core up to 2.4GHz Turbo embedded processor, 4GB DDR3 RAM, 100~240 VAC Power Entry (6Ft Power Cable Included), fanless, no moving parts, aluminum heat sink. I/O Ports: 2x 1Gb Ethernet, 2x USB 3.0, 2x USB 2.0, 1x RS232/422/485, 3x RS232, 1x VGA, 1x HDMI, 1x Audio Jack (line-out)
FX15PT-DC-TM-001	FX15 – 15” LCD XGA 4:3 Aspect Ratio, 5-Wire Resistive Touch, NEMA 4 Black Powder Coat with Thin Manager Enabled: Intel Apollo Lake N3350 Dual Core up to 2.4GHz Turbo embedded processor, 4GB DDR3 RAM, 24VDC Power Entry (3-Pin Quick Disconnect Included), fanless, no moving parts, aluminum heat sink. I/O Ports: 2x 1Gb Ethernet, 2x USB 3.0, 2x USB 2.0, 1x RS232/422/485, 3x RS232, 1x VGA, 1x HDMI, 1x Audio Jack (line-out)
FX15PT-AC-TM-001	FX15 – 15” LCD XGA 4:3 Aspect Ratio, 5-Wire Resistive Touch, NEMA 4 Black Powder Coat with Thin Manager Enabled: Intel Apollo Lake N3350 Dual Core up to 2.4GHz Turbo embedded processor, 4GB DDR3 RAM, 100~240 VAC Power Entry (6Ft Power Cable Included), fanless, no moving parts, aluminum heat sink. I/O Ports: 2x 1Gb Ethernet, 2x USB 3.0, 2x USB 2.0, 1x RS232/422/485, 3x RS232, 1x VGA, 1x HDMI, 1x Audio Jack (line-out)
FX17PT-DC-TM-001	FX17 – 17” LCD SXGA 4:3 Aspect Ratio, 5-Wire Resistive Touch, NEMA 4 Black Powder Coat with Thin Manager Enabled: Intel Apollo Lake N3350 Dual Core up to 2.4GHz Turbo embedded processor, 4GB DDR3 RAM, 24VDC Power Entry (3-Pin Quick Disconnect Included), fanless, no moving parts, aluminum heat sink. I/O Ports: 2x 1Gb Ethernet, 2x USB 3.0, 2x USB 2.0, 1x RS232/422/485, 3x RS232, 1x VGA, 1x HDMI, 1x Audio Jack (line-out)
FX17PT-AC-TM-001	FX17 – 17” LCD SXGA 4:3 Aspect Ratio, 5-Wire Resistive Touch, NEMA 4 Black Powder Coat with Thin Manager Enabled: Intel Apollo Lake N3350 Dual Core up to 2.4GHz Turbo embedded processor, 4GB DDR3 RAM, 100~240 VAC Power Entry (6Ft Power Cable Included), fanless, no moving parts, aluminum heat sink. I/O Ports: 2x 1Gb Ethernet, 2x USB 3.0, 2x USB 2.0, 1x RS232/422/485, 3x RS232, 1x VGA, 1x HDMI, 1x Audio Jack (line-out)
FX19PT-DC-TM-001	FX19 – 19” LCD SXGA 4:3 Aspect Ratio, 5-Wire Resistive Touch, NEMA 4 Black Powder Coat with Thin Manager Enabled: Intel Apollo Lake N3350 Dual Core up to 2.4GHz Turbo embedded processor, 4GB DDR3 RAM, 24VDC Power Entry (3-Pin Quick Disconnect Included), fanless, no moving parts, aluminum heat sink. I/O Ports: 2x 1Gb Ethernet, 2x USB 3.0, 2x USB 2.0, 1x RS232/422/485, 3x RS232, 1x VGA, 1x HDMI, 1x Audio Jack (line-out)
FX19PT-AC-TM-001	FX19 – 19” LCD SXGA 4:3 Aspect Ratio, 5-Wire Resistive Touch, NEMA 4 Black Powder Coat with Thin Manager Enabled: Intel Apollo Lake N3350 Dual Core up to 2.4GHz Turbo embedded processor, 4GB DDR3 RAM, 100~240 VAC Power Entry (6Ft Power Cable Included), fanless, no moving parts, aluminum heat sink. I/O Ports: 2x 1Gb Ethernet, 2x USB 3.0, 2x USB 2.0, 1x RS232/422/485, 3x RS232, 1x VGA, 1x HDMI, 1x Audio Jack (line-out)





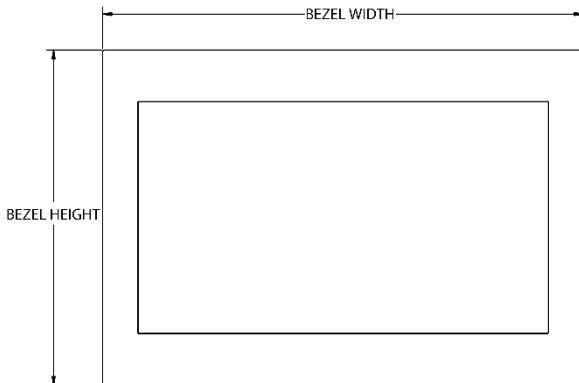
DIMENSIONS, WEIGHT AND POWER CONSUMPTION

	12.1"	15"	17"	19"
HEIGHT (Bezel)	10.990" (279.1mm)	11.878" (301.7mm)	14.020" (356.1mm)	15.415" (391.5mm)
WIDTH (Bezel)	13.750" (349.3mm)	15.826" (402.0mm)	17.800" (452.1mm)	18.765" (476.6mm)
HEIGHT (Cutout)	9.90" (251.5mm)	11.270" (286.3mm)	13.000" (330.2mm)	14.420" (366.3mm)
WIDTH (Cutout)	12.660" (321.6mm)	15.250" (387.4mm)	16.720" (424.7mm)	17.750" (450.9mm)
DEPTH	3.526" (89.6mm)	4.060" (103.1mm)	4.060" (103.1mm)	3.526" (89.6mm)
WEIGHT	10 lbs.*	13 lbs.*	16 lbs.*	15 lbs.*
POWER CONSUMPTION	30 Watts**	35 Watts**	40 Watts**	50 Watts**

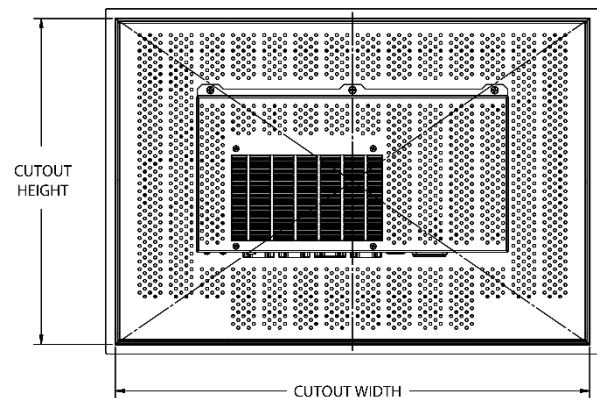
*Weights are approximate, contact DYNICS for details.

**Power Consumption based on maximum ratings, actual ratings vary significantly based on components used.

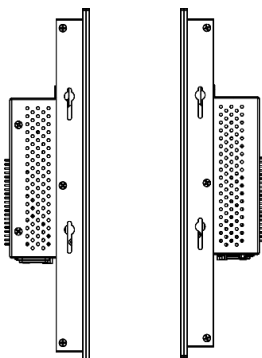
MECHANICAL DRAWINGS FRONT VIEW



BACK VIEW

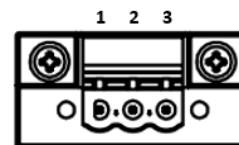


SIDE VIEW



POWER ENTRY

(3-Pin) 24VDC



PIN 1: V+

PIN 2: \perp (Chassis Ground)

PIN 3: V-

All measurements are in inches and pounds, unless noted. Pictures and drawings are not to scale. Estimated weight may change depending on options. DYNICS Reserves the right to change, modify, upgrade, or discontinue any part of this datasheet without any prior notice