



## SW-XiAI

### SW-XiAI | Industrial Panel PC

DYNICS SW-XiAI is a widescreen industrial display panel PC equipped with an Intel® Apollo Lake Quad Core™ processor, built with a NEMA 4/4X bezel in a fan-less chassis with no moving parts. Making it a viable drop-in replacement for industrial HMI solution applications.

- Fan-less (No Moving Parts)
- 24VDC Power Entry

#### DISPLAY SPECIFICATIONS

SIZE	12.1"	15.6"	18.5"	21.5"	24"
<b>RESOLUTION</b>	WXGA 1280 x 800	FHD 1920 x 1080	FHD 1920 x 1080	FHD 1920 x 1080	FHD 1920 x 1080
<b>VIEW ANGLE</b>	H: -80°/+80° V: -80°/+80°	H: -80°/+80° V: -80°/+80°	H: -85°/+85° V: -85°/+85°	H: -89°/+89° V: -89°/+89°	H: -89°/+89° V: -89°/+89°
<b>CONTRAST</b>	800:1	800:1	1500:1	5000:1	3000:1
<b>BRIGHTNESS</b>	450 nits	400 nits	400 nits	300 nits	300 nits
<b>ASPECT RATIO</b>	8:5	16:9	16:9	16:9	16:9
<b>LENS</b>	5-Wire Analog Resistive Touch Screen, Projected Capacitive (P-CAP) Touch Screen, Or Protective Polycarbonate Lens (Non-Touch)				
<b>LCD LIFE</b>	50,000 Hour Backlight Half-Life				
<b>ENCLOSURE</b>	NEMA 4 Powder Coat Finish (Black) / NEMA 4X Stainless Steel				

#### PC SPECIFICATIONS

<b>COMPUTER I/O</b>	<b>3.5" Apollo Lake</b>
1Gb Ethernet Ports	2x
USB 3.0 Ports	2x
USB 2.0 Ports	2x
RS232/422/485 Port	1x
RS232 Ports	3x
Analog VGA Port	1x
HDMI Port	1x
Audio Jacks (Line-Out)	1x
<b>POWER SUPPLY</b>	24VDC Power Entry
<b>CPU</b>	<b>Apollo Lake Quad Core™ Pentium® N4200</b>
<b>CPU SPEED</b>	Up To 2.5GHz Turbo, 2MB Cache, 4 Cores, 4 Threads
<b>MEMORY</b>	Up to 16GB DDR3
<b>STORAGE</b>	128-512GB M.2 2242 Solid State SATA Flash Drive or 256GB-2TB Solid State SATA Flash Drive [easily removable drive option (-RSSD) available]
<b>OPERATING SYSTEM</b>	- Windows® 10 Enterprise IoT LTSC 2016 (64-bit) (Code: E10) - Windows® 10 Pro (64-bit) (Code: W10) - Windows® 10 Enterprise IoT LTSC 2019 (64-bit) (Code: E19) - Windows® 11 Pro (64-bit) (Code: W11) - Windows® 10 Enterprise IoT LTSC 2021 (64-bit) (Code: E21) - Linux Ubuntu (Code: LUB)
<b>TEMPERATURE</b>	Operating: 0°-50°C   -32°-122°F Non-Operating: -25°-60°C   -13°-140°F
<b>RELATIVE HUMIDITY</b>	Non-Condensing: 20% - 80%
<b>SHOCK RESISTANCE</b>	Operating: 10G   Non-Operating: 15G
<b>VIBRATION INCLUDED</b>	Operating: 1.0G from 57~2000Hz   Non-Operating: 2.5G from 57~2000Hz
<b>COMPLIANCE</b>	3-Pin Quick Disconnect EU: RoHS Directive 2011/65/EU
<b>WARRANTY</b>	24-Month limited warranty. Extended warranty available, contact DYNICS for more details.





## SW-XiAI

### DIMENSIONS, WEIGHT AND POWER CONSUMPTION

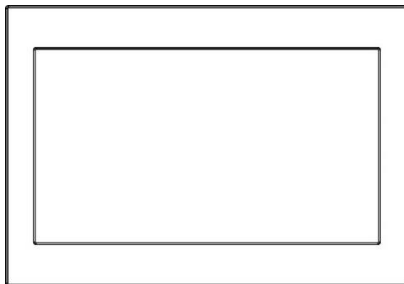
	12.1"	15.6"	18.5"	21.5"	24"
<b>HEIGHT (BEZEL)</b>	9.4" (240.9mm)	12.2" (310.0mm)	13.2" (337.0mm)	14.9" (380.0mm)	15.5" (393.7mm)
<b>WIDTH (BEZEL)</b>	12.9" (329.9mm)	16.3" (415.0mm)	19.0" (483.0mm)	22.0" (559.9mm)	24.6" (625.9mm)
<b>HEIGHT (CUTOUT)</b>	8.7" (221.0mm)	11.4" (289.9mm)	12.5" (318.0mm)	14.2" (361.0mm)	14.3" (364.5mm)
<b>WIDTH (CUTOUT)</b>	12.2" (310.0mm)	15.5" (394.9mm)	18.2" (464.0mm)	21.3" (542.0mm)	23.4" (596.6mm)
<b>DEPTH</b>	4.0" (103.1mm)	4.0" (103.1mm)	4.0" (103.1mm)	4.0" (103.1mm)	4.0" (103.1mm)
<b>WEIGHT</b>	10 lbs.*	14 lbs.*	15 lbs.*	20 lbs.*	24 lbs.*
<b>POWER CONSUMPTION</b>	28 Watts**	33 Watts**	44 Watts**	51 Watts**	58 Watts**

\* Weights are approximate, contact DYNICS for details.

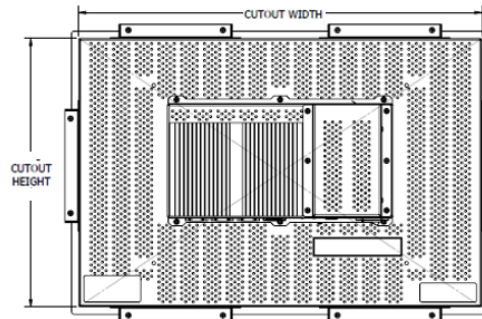
\*\* Power consumption is based on maximum ratings, actual ratings vary significantly based on components used.

### MECHANICAL DRAWINGS

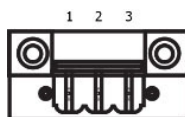
#### FRONT VIEW



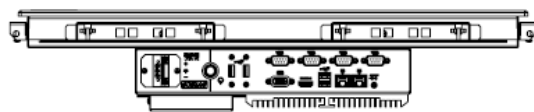
#### BACK VIEW



#### POWER ENTRY 24VDC

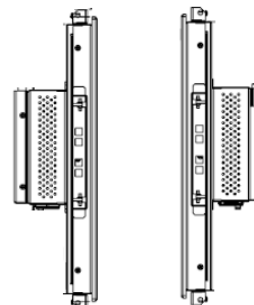


PIN 1: V+  
PIN 2: (Chassis GND)  
PIN 3: V-



#### DC CONFIGURATION

#### SIDE VIEWS



Rear & Side Views shown with Optional Removable Drive Bay and Mounting Brackets

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.

