

HW



HW | Enclosed Unit with Integrated PC

DYNICS HW is an integrated PC housed in a fully sealed metal enclosure for industrial applications. This fan-less system includes a Braswell motherboard and resistive touch screen capability.

- NEMA 4 / NEMA 4X
- IP65/66
- 100~240VAC (3-Pin) / 24VDC (4-Pin)
- VESA / Wall Bracket Mount System with Up to 0°-20° Tilt

DISPLAY SPECIFICATIONS

SIZE	12.1"	15.6"	18.5"	21.5"	24"
RESOLUTION	WXGA 1280 x 800	FHD 1920 x 1080	FHD 1920 x 1080	FHD 1920 x 1080	FHD 1920 x 1080
VIEW ANGLE	H: -80°/+80° V: -80°/+80°	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	800:1	800:1	1500:1	5000:1	3000:1
BRIGHTNESS	400 nits	600 nits	400 nits	300 nits	300 nits
ASPECT RATIO	16:9	16:9	16:9	16:9	16:9
LENS	5-Wire Analog Resistive (Touch Screen) / Protective Polycarbonate Lens (Non-Touch)				
LCD LIFE	50,000 Hour Backlight Half-Life				
ENCLOSURE	NEMA 4 Powder Coat Finish/ RAL 7035 Peel Finish / NEMA 4X Stainless Steel 0-20° Tilt Bracket included with 60,100,150,200, & 250 VESA mounts (can also be used for wall mounting)				

PC SPECIFICATIONS

	Intel® Apollo Lake	Whiskey Lake 8th Gen Intel®
COMPUTER I/O	2x	2x
1Gb Ethernet Ports	2x	2x
USB 3.0 Ports	2x	2x
CPU	Intel® Apollo Lake N3350 / N4200	Intel® Core™ i5 8265U / i7 8565U
CPU SPEED	N3350 - 2.4 GHz, 2MB Cache (2 Cores, 2 Threads) N4200 - 2.5 GHz, 2MB Cache (4 Cores, 4 Threads) Up to 64GB DDR4	i5 – up to 3.9GHz, 6MB Cache (4 Cores, 8 Threads) i7 – up to 4.6GHz, 8MB Cache (4 Cores, 8 Threads) Up to 64GB DDR4
MEMORY STORAGE	256GB – 2TB SATA SSD / 1TB HDD	
OPERATING SYSTEM	-Windows® 10 Enterprise IoT LTSC 2019 (64-bit)	
POWER SUPPLY	100~240VAC (3-Pin) / 24VDC (4-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 RESISTANCE	Operating: 10G Non-Operating: 15G	
VIBRATION	Operating: 1.0G from 57~2000Hz Non-Operating: 2.5G from 57~2000Hz	
INCLUDED COMPLIANCE WARRANTY	1x 6 ft. Power Cable European Union Directive 2011/65/EU (RoHS) 24-Month limited warranty. Extended warranty available, contact DYNICS for more details.	





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DIMENSIONS, WEIGHT AND POWER CONSUMPTION

	12.1	15.6"	18.5"	21.5"	24"
HEIGHT	9.0" (228.6mm)	11.8" (298.5mm)	13.1" (331.5mm)	15.0" (381.8mm)	15.4" (402.1mm)
WIDTH	13.9" (352.3mm)	17.5" (445.5mm)	19.8" (503.1mm)	22.6" (574.2mm)	24.9" (630.3mm)
DEPTH	2.5" (63.3476mm)	6.0" (150.8mm)	6.0" (150.8mm)	6.0" (150.8mm)	6.0" (150.8mm)
WEIGHT	7lbs*	15 lbs.*	20 lbs.*	24 lbs.*	26 lbs.*
POWER CONSUMPTION	35 Watts**	40 Watts**	45 Watts**	55 Watts**	85 Watts**

*Weights are approximate, contact DYNICS for details.

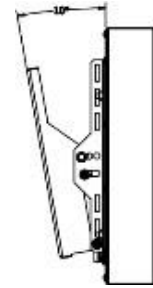
**Power Consumption based on maximum ratings, actual ratings vary significantly based on components used.

MECHANICAL DRAWINGS

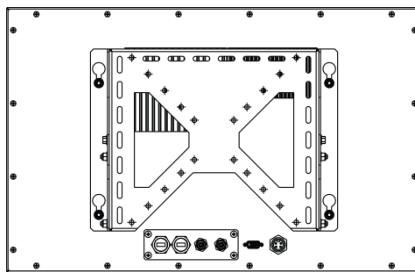
FRONT VIEW



SIDE VIEW



BACK VIEW



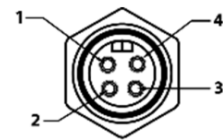
POWER ENTRY

(3-Pin) 100~240VAC



- 1 GROUND
- 2 LINE
- 3 NEUTRAL

(4-Pin) 24VDC



- 1 NO CONNECT
- 2 0 VDC
- 3 NO CONNECT
- 4 +24 VDC

