

## EW



### EW | Industrial Workstation

DYNICS EW is an all-in-one, built in a NEMA 4 / IP65 rated metal enclosure designed for industrial applications, with overhead and pedestal mounting. The EW is highly customizable with different options for the power supply, motherboard, storage, and more. EWW includes 4x PoE.

- Integrated Industrial Workstation
- UL Listed
- EWW Comes standard with 4x PoE Ethernet
- Compatible with Vertistand
- 100~240VAC / 24VDC / UPS60P Uninterruptable Power supply 24VDC

### DISPLAY SPECIFICATIONS

SIZE	18.5"	21.5"	24"	32"
<b>RESOLUTION</b>	FHD 1920 x 1080	FHD 1920 x 1080	FHD 1920 x 1080	FHD 1920 x 1080
<b>VIEW ANGLE</b>	H: -85°/+85°, V: -85°/+85°	H: -89°/+89°, V: -89°/+89°	H: -89°/+89°, V: -89°/+89°	H: -89°/+89°, V: -89°/+89°
<b>CONTRAST</b>	1500:1	5000:1	3000:1	3000:1
<b>BRIGHTNESS</b>	350 nits	300 nits	300 nits	450 nits
<b>ASPECT RATIO</b>	16:9	16:9	16:9	16:9
<b>LENS</b>	5-Wire Analog Resistive (Touch Screen) / Protective Polycarbonate Lens (Non-Touch) / Projected Capacitive (P-CAP) Touch Screen ( <b>32" Only</b> )			
<b>LCD LIFE</b>	50,000 Hour Backlight Half-Life			
<b>ENCLOSURE</b>	RAL7035 Peel Finish / Other Colors Available			

### PC SPECIFICATIONS

	Apollo Lake	Whiskey Lake	(24", 32") Mini-ITX Q170	(24", 32") Mini-ITX Q370
<b>COMPUTER I/O</b>				
1Gb Ethernet Ports	2x	2x	2x	2x
1Gb Ethernet Port (Supporting Intel® vPro™ AMT)	-	-	1x	1x
USB 3.0 Ports	2x	2x	2x	2x
<b>CPU/ CPU SPEED</b>	Apollo Lake Quad Core™ Pentium® N4200, up to 2.5GHz, 2MB Cache (4 Cores, 4 Threads)	Intel® 8th Gen Core™ i5 8265U / i7 8565U i5- up to 3.9 GHz, 6MB Cache (4 Cores, 8 Threads) i7- up to 4.6 GHz, 8MB Cache (4 Cores, 8 Threads)	6th Gen Quad Core™ i7-6700TE, up to 3.4 GHz, 8MB Cache (4 Cores, 8 Threads)	8th Gen Hexa-Core™ i5-8500T, up to 3.5 GHz, 9MB Cache (6 Cores, 6 Threads) 8th Gen Hexa-Core™ i7-8700T, up to 4.0 GHz, 12MB Cache (6 Cores, 12 Threads)
<b>MEMORY</b>	Up to 16Gb DDR3	Up to 32Gb DDR4	Up to 32Gb DDR4	Up to 32Gb DDR4
<b>ETHERNET PORT</b>	D-Coded / X-Coded M12 / RJ45 Capped			
<b>ADDITIONAL</b>	Up to 4x Additional M12 X-Coded Outputs			
<b>ETHERNET PORTS</b>	Up to 4x Additional RJ45 Inputs***			
<b>PoE OPTIONS</b>	4x Power over Ethernet (802.3AT) (Comes Standard on <b>EWW</b> )			
<b>STORAGE</b>	256GB – 2TB SATA SSD / Up to 1TB HDD			
<b>OPERATING SYSTEM</b>	-Linux® Ubuntu® (Contact DYNICS for more details)		-Windows® 7 PRO (64-bit) ( <b>Q170 Only</b> )	
	-Windows® 7 Embedded Standard (64-bit) ( <b>Q170 Only</b> )		-Windows® 10 Enterprise IoT LTSC 2016 (64-bit)	
	-Windows® 10 Enterprise IoT LTSC 2021 (64-bit)		-Windows® 10 PRO (64-bit)	
	-Windows® 10 Enterprise IoT LTSC 2019 (64-bit)		-Windows® 11 PRO (64-bit)	
<b>POWER SUPPLY</b>	100~240VAC / 24VDC Power Entry / UPS60P Uninterruptable Power Supply 24VDC ( <b>24" and 32" only</b> )			
<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</b>	Operating: 1.0G from 57~2000Hz   Non-Operating: 2.5G from 57~2000Hz			
<b>ALTITUDE</b>	Maximum altitude of 2,000 meters			
<b>INCLUDED</b>	1x 6 ft. Power Cable   Equipped with Pedestal Mount (Bottom) / Overhead Mount (Top)			
	1x (3-Pin) Mini Power Cable (AC Only) / 1x (4-Pin) Quick Disconnect (DC Only)			
<b>COMPLIANCE</b>	USA: UL Listed, UL 61010-1+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: RoHS Directive 2011/65/EU, EN 50581, EMC Directive 2014/30/EU, EN 61326-1, Low Voltage Directive 2014/35/EU, EN 61010-1+EN 61010-2-201			
<b>WARRANTY</b>	24-Month limited warranty. Extended warranty available, contact DYNICS for more details.			

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### DIMENSIONS, WEIGHT AND POWER CONSUMPTION

	18.5"	21.5"	24"	32"
<b>HEIGHT</b>	13.020" (330.7mm)	15.000" (381.0mm)	15.875" (403.2mm)	22.000" (558.8mm)
<b>WIDTH (with handles)</b>	24.870" (631.7mm)	28.125" (714.4mm)	30.375" (771.5mm)	39.125" (993.8mm)
<b>WIDTH (without handles)</b>	21.745" (552.3mm)	25.000" (635.0mm)	27.250" (692.2mm)	36.000" (914.4mm)
<b>DEPTH</b>	6.210" (157.7mm)	6.210" (157.7mm)	6.210" (157.7mm)	6.695" (170.1mm)
<b>WEIGHT</b>	26 lbs.*	29 lbs.*	37 lbs.*	57 lbs.*

### POWER CONSUMPTION

	18.5"	21.5"	24"	32"
<b>Apollo Lake</b>	45 Watts** 205 Watts** (with PoE)	50 Watts** 210 Watts** (with PoE)	55 Watts** 210 Watts** (with PoE)	80 Watts** 240 Watts** (with PoE)
<b>Whiskey Lake</b>	65 Watts** 220 Watts** (with PoE)	70 Watts** 225 Watts** (with PoE)	70 Watts** 250 Watts** (with PoE)	100 Watts** 255 Watts** (with PoE)
<b>Mini-ITX Q170</b>	105 Watts** 260 Watts** (with PoE)	110 Watts** 265 Watts** (with PoE)	110 Watts** 270 Watts** (with PoE)	140 Watts** 295 Watts** (with PoE)
<b>Mini-ITX Q370</b>	110 Watts** 270 Watts** (with PoE)	110 Watts** 275 Watts** (with PoE)	120 Watts** 280 Watts** (with PoE)	140 Watts** 305 Watts** (with PoE)

\* Weights are approximate, contact DYNICS for details.

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

### UPS60P Uninterruptible Power Supply 24VDC



### Optional Keyboard Compartment

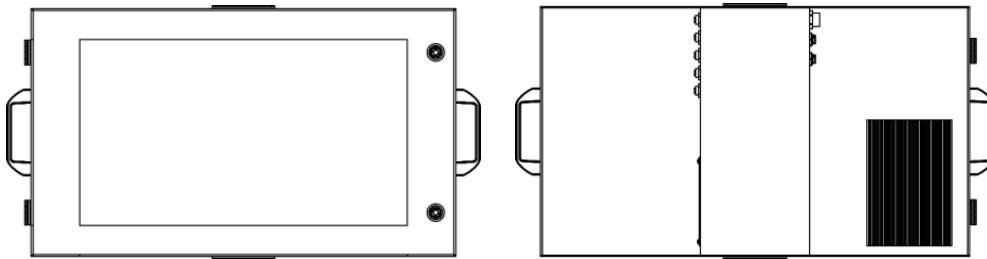
Available with 22" and 24" Models



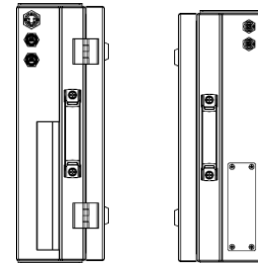
**EW**



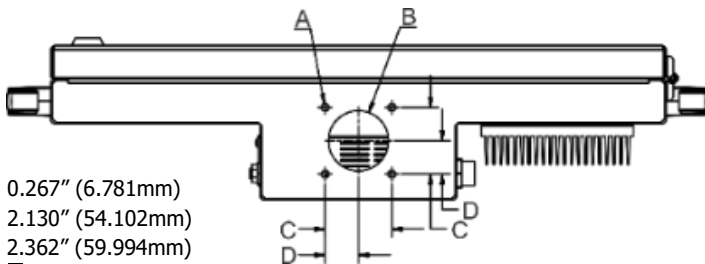
## MECHANICAL DRAWINGS FRONT AND BACK VIEW



## SIDE VIEWS



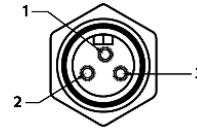
## MOUNTING PATTERN



- A.** 0.267" (6.781mm)
- B.** 2.130" (54.102mm)
- C.** 2.362" (59.994mm)
- D.** 1.181" (29.997mm)

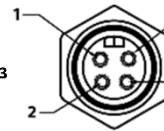
## POWER ENTRY

(3-Pin) 100~240VAC



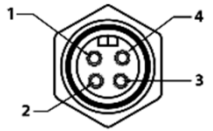
- 1** GROUND
- 2** LINE
- 3** NEUTRAL

(4-Pin) 24VDC



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

(4-PIN) 24VDC w/ POE



- 1** AUX 0 VDC
- 2** 0 VDC
- 3** AUX +24 VDC
- 4** +24 VDC

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.

