

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
- EWV Comes standard with 4x PoE Ethernet
- Compatible with Vertistand
- 100~240VAC / 24VDC / UPS35P Uninterruptable Power supply 24VDC

DISPLAY SPECIFICATIONS

SIZE	18.5"	21.5	24"
RESOLUTION	FHD 1920 x 1080	FHD 1920 x 1080	FHD 1920 x 1080
VIEW ANGLE	H: -85°/+85°, V: -85°/+85°	H: -89°/+89°, V: -89°/+89°	H: -89°/+89°, V: -89°/+89°
CONTRAST	1500:1	5000:1	3000:1
BRIGHTNESS	350 nits	300 nits	300 nits
ASPECT RATIO	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	RAL7035 Peel Finish / Other Colors Available		

PC Specifications

	Braswell	Skylake-U	(21.5" 24") Mini-ITX Q170	(21.5" 24") Mini-ITX Q370
COMPUTER I/O				
1Gb Ethernet Ports	2x	2x	2x	2x
1Gb Ethernet Port (Supporting Intel® vPro™ AMT)	-	1x	1x	1x
USB 3.0 Ports	2x	2x	2x	2x
CPU/ CPU SPEED	Braswell Quad Core Celeron® N3160, up to 2.24 GHz, 2MB Cache	6th Gen Dual Core™ i5-6300TE, up to 3.0 GHz, 3MB Cache 6th Gen Dual Core™ i7-6600TE, up to 3.4 GHz, 4MB Cache	6th Gen Quad Core™ i5-6500TE, up to 3.3 GHz, 6MB Cache 6th Gen Quad Core™ i7-6700TE, up to 3.4 GHz, 8MB Cache	6th Gen Hexa Core™ i5-8500TE, up to 3.5 GHz, 9MB Cache 6th Gen Hexa Core™ i7-8700TE, up to 4.0 GHz, 12MB Cache
MEMORY	Up to 8Gb DDR3	Up to 16Gb DDR4	Up to 32Gb DDR4	Up to 32Gb DDR4
ETHERNET PORT	D-Coded / X-Coded M12 / RJ45 Capped			
ADDITIONAL	Up to 4x Additional M12 X-Coded Outputs			
ETHERNET PORTS	Up to 4x Additional RJ45 Inputs***			
POE OPTIONS	4x Power over Ethernet (802.3AT) (Comes Standard on EWV)			
STORAGE	240GB – 2TB SATA SSD / Up to 1TB HDD			
OPERATING SYSTEM	Windows® 7 Professional (64-bit)-Windows® 7 Embedded Standard (64-bit) Windows® 10 Enterprise IoT LTSC 2019 (64-bit) -Windows® 10 Professional (64-bit) – Linux Ubuntu			
POWER SUPPLY	100~240VAC/24VDC Power Entry/ UPS35P Uninterruptable Power Supply 24VDC (24" only)			
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	1x 6 ft. Power Cable Equipped with Pedestal Mount (Bottom) / Overhead Mount (Top)			
COMPLIANCE	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(Not With Q370)			
WARRANTY	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"
HEIGHT	13.020" (330.7mm)	15.000" (381.0mm)	15.875" (403.2mm)
WIDTH (with handles)	24.870" (631.7mm)	28.125" (714.4mm)	30.375" (771.5mm)
WIDTH (without handles)	21.745" (552.3mm)	25.000" (635.0mm)	27.250" (692.2mm)
DEPTH	6.210" (157.7mm)	6.210" (157.7mm)	6.210" (157.7mm)
WEIGHT	24 lbs.*	26 lbs.*	28 lbs.*

UPS35P Uninterruptible Power Supply 24VDC

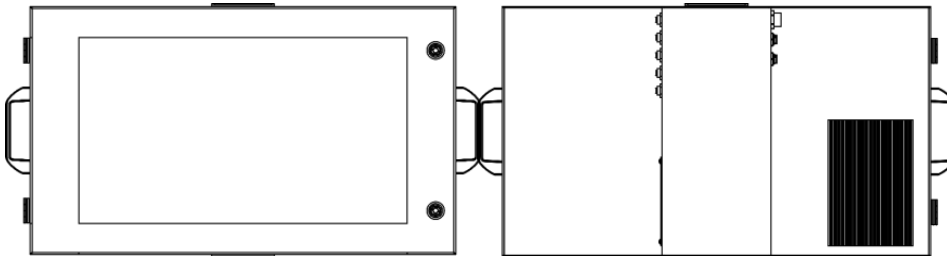


POWER CONSUMPTION

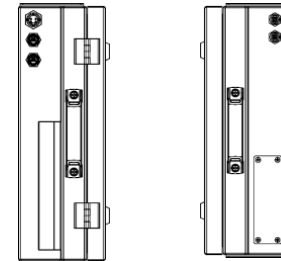
Braswell	40 Watts**	55 Watts**	80 Watts**
Skylake-U	70 Watts**	85 Watts**	105 Watts**
Mini-ITX Q170	75 Watts**	83 Watts**	103 Watts**
Mini-ITX Q370	70 Watts**	80 Watts**	90 Watts**

MECHANICAL DRAWINGS

FRONT AND BACK VIEW

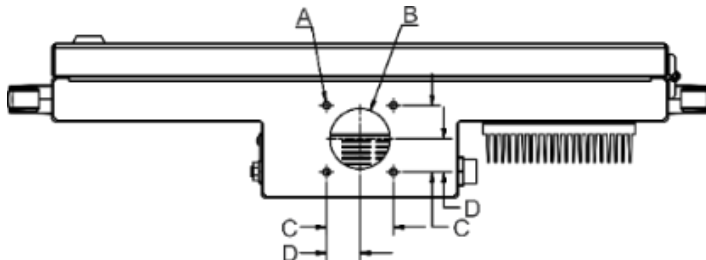


SIDE VIEW



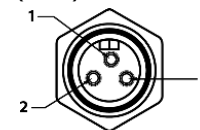
MOUNTING PATTERN

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



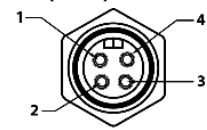
POWER ENTRY

(3-Pin) 100~240VAC



- 1 GROUND
- 2 LINE
- 3 NEUTRAL

(4-Pin) 24VDC



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

*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.

