

EX



EX | Industrial Workstation

DYNICS EX Monitor is an IP65 rated fully sealed enclosure, designed for industrial applications.

- Integrated Industrial Workstation
- UL Listed
- Equipped with Pedestal Mount
- Highly Configurable
- EXV Comes standard with 4x PoE Ethernet
- 100~240VAC / 24VDC/ UPS35P

DISPLAY SPECIFICATIONS

SIZE	15"	17"	19"
RESOLUTION	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: -85°/+85°, V: -80°/+80°
CONTRAST	600:1	1000:1	1000:1
BRIGHTNESS	350 nits	350 nits	350 nits
ASPECT RATIO	4:3	5:4	5:4
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	Mini-ITX Q170 (19")	Mini-ITX Q370 (19")
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	1x	1x	1x
CPU/ CPU SPEED	Braswell Quad Core Celeron® N3160, up to 2.24 GHz, 2MB Cache	Intel® Core™ i5 6300U i5 – 2.4GHz Base, 3.0GHz Turbo Intel® Core™ i7 6600U i7 – 2.6GHz Base, 3.4GHz Turbo	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 EXV)			
STORAGE	240GB – 2TB SATA SSD / Up to 1TB HDD			
OPERATING SYSTEM	-Windows® 7 Professional (64-bit)-Windows® Embedded Standard 7 (64-bit) -Windows® 10 Enterprise IoT LTSC 2019 (64-bit) -Windows® 10 Enterprise IoT LTSC 2016 (64-bit) -Linux Ubuntu			
POWER SUPPLY	100~240VAC/24VDC Power Entry/ UPS35P			
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 Available with Q370)			
WARRANTY	24-Month limited warranty. Extended warranty available, contact DYNICS for more details.			

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DIMENSIONS, WEIGHT AND POWER CONSUMPTION

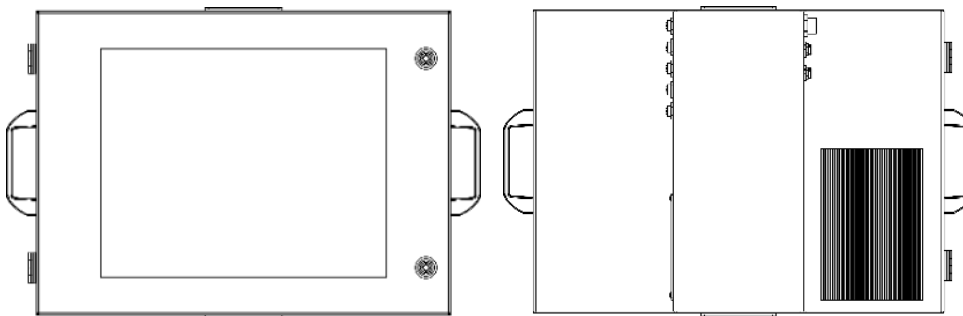
	15"	17"	19"
HEIGHT	14.750" (374.65mm)	14.750" (374.7mm)	16.000" (406.4mm)
WIDTH (with handles)	23.625" (600mm)	23.625" (600.1mm)	24.875" (631.8mm)
WIDTH (without handles)	20.5" (520.7mm)	20.500" (520.7mm)	21.750" (552.5mm)
DEPTH	5.460" (138.4mm)	5.460" (138.7mm)	5.460" (138.7mm)
WEIGHT	24 lbs.*	26 lbs.*	28 lbs.*

POWER CONSUMPTION

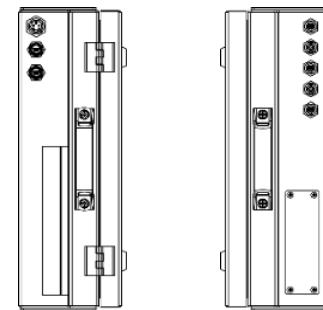
	15"	17"	19"
Braswell	50 Watts**	75 Watts**	75 Watts**
	195 Watts** (with PoE)	220 Watts** (with PoE)	220 Watts** (with PoE)
Skylake-U	50 Watts**	75 Watts**	75 Watts**
	195 Watts** (with PoE)	220 Watts** (with PoE)	220 Watts** (with PoE)
Mini-ITX Q170	73 Watts**	82 Watts**	81 Watts**
	218 Watts** (with PoE)	227 Watts** (with PoE)	226 Watts** (with PoE)
Mini-ITX Q370	102.2 Watts**	111.1 Watts**	109.9 Watts**
	248 Watts** (with PoE)	257 Watts** (with PoE)	256 Watts** (with PoE)

MECHANICAL DRAWINGS

FRONT AND BACK VIEW

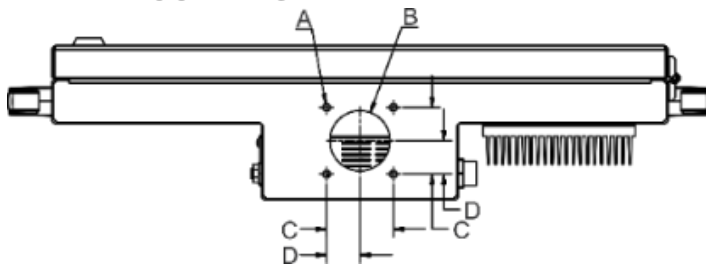


SIDE VIEW



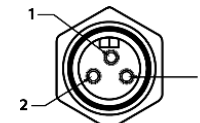
MOUNTING PATTERN

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



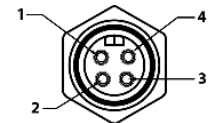
POWER ENTRY

(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

