



EX

Datasheet

EX | Industrial Workstation

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

Key Features

- Integrated Industrial Workstation
- Equipped with Pedestal Mount (Bottom) and Overhead Mount (Top)
- UL Listed
- 100~240VAC (3-Pin) / 24VDC (4-Pin)

Display Specifications

Size:	Resolution:	View Angle:	Contrast:	Brightness:	Aspect Ratio:
17"	SXGA 1280 x 1024	H: -85°/+85°, V: -80°/+80°	1000:1	350 nits	5:4
19"	SXGA 1280 x 1024	H: -85°/+85°, V: -80°/+80°	1000:1	350 nits	5:4
Lens	5-Wire Analog Resistive (Touch Screen) / Protective Polycarbonate Lens (Non-Touch)				
LCD Life	50,000 Hour Backlight Half-Life				
Enclosure	Aluminum Enclosure with Powder Coat Finish				

PC Specifications

Motherboard:	3.5" Braswell	3.5" 6 th Gen i5 / i7 Dual Core
I/O	2x 1Gb Ethernet Ports 2x USB 3.0 Ports	1x 1Gb Ethernet Port (Supporting Intel® vPro™ AMT) 1x 1Gb Ethernet Port 2x USB 3.0 Ports
Ethernet Port Options	D-Coded / X-Coded M12 / RJ45 Capped	D-Coded / X-Coded M12 / RJ45 Capped
Additional Ethernet Ports	Up to 4x Additional M12 X-Coded Outputs Up to 4x Additional RJ45 Inputs***	Up to 4x Additional M12 X-Coded Outputs Up to 4x Additional RJ45 Inputs***

***Optional inputs of RJ45 / M12 D-Coded / M12 X-Coded

PoE Options	1x or 4x Power over Ethernet (802.3AT)	1x or 4x Power over Ethernet (802.3AT)
CPU	Braswell N3160	Intel® Core™ i5 6300U / i7 6600U
CPU Speed	1.6GHz Base, 2.24GHz Turbo (4 Cores, 4 Threads)	i5 – 2.4GHz Base, 3.0GHz Turbo (2 Cores, 4 Threads) i7 – 2.6GHz Base, 3.4GHz Turbo (2 Cores, 4 Threads)
Memory	Up to 8GB DDR3 with Braswell	Up to 16GB DDR4 with 6 th Gen
Power Supply	100~240VAC (3-Pin) / 24VDC (4-Pin) Power Entry	
Storage	240GB – 2TB SATA SSD / Up to 10TB HDD	
Operating System	- Windows® 7 Embedded Standard (64-bit) - Windows® 7 Professional (64-bit) - Windows® 10 Enterprise IoT LTSB 2016 (64-bit)	
Temperature	Operating: 0° - 50°C (32° - 122°F) Non-Operating: -25° - 60°C (-13° - 140°F)	
Relative Humidity	Non-Condensing: 20% - 80%	
Shock	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	
Compliance	USA: UL 60950-1 (UL Listed), FCC 47 CFR Part 15, Class A Canada: CSA C22.2 No. 60950-1-07 (cUL Listed), ICES-001, Group 1, Class A European Union CE: EN 60950-1, EN 61326-1, CISPR 11, Group 1, Class A European Union Directive 2011/65/EU (RoHS)	
Warranty	24-Month limited warranty. Extended hardware available contact DYNICS for details.	





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Dimensions, Weights and Power Consumptions

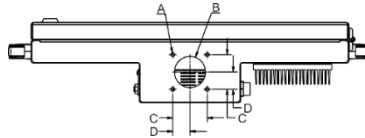
	17"	19"
Height:	14.750" (374.7mm)	16.000" (406.4mm)
Width: (With Handles)	23.625" (600.1mm)	24.875" (631.8mm)
Width: (Without Handles)	20.500" (520.7mm)	21.750" (552.5mm)
Depth:	5.460" (138.7mm)	5.460" (138.7mm)
Weight:	26 lbs.*	28 lbs.*
Power Consumption:	17"	19"
3.5" Braswell	50 Watts**	75 Watts**
3.5" 6th Gen	50 Watts**	75 Watts**

*Weights are approximate, contact DYNICS for details.

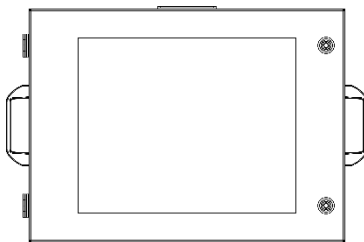
**Power Consumption based on maximum ratings, actual ratings vary significantly based on components used.

Mechanical Drawings

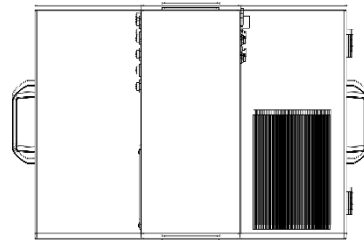
	A	B	C	D
Mounting Pattern	0.267" (6.781mm)	2.130" (54.102mm)	2.362" (59.994mm)	1.181" (29.997mm)



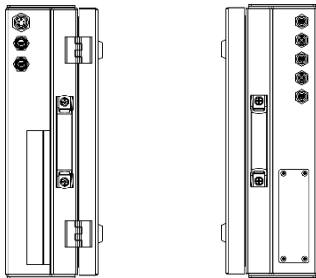
Front View



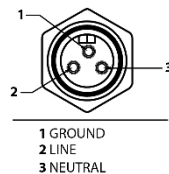
Back View



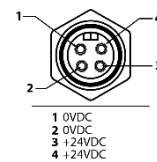
Side View



Power Entry (3-Pin) 100~240VAC



Power Entry (4-Pin) 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.

