



194X

Datasheet

194X | Industrial 4U Rack Mount

DYNICS 194X is a high-quality, performance driven rack mount PC built with either 8 or 14 core Xeon® computer, redundant power supply and ECC DDR4 memory. Able to run multiple actions quickly and effectively for various industrial and vision applications.



Key Features

- 100~240VAC
- 8 / 14 Core E5-V4 Xeon®
- 2x 2.5" SSD (System)
- Slim CD/DVD-RW
- 3x 3.5" Enterprise Grade HDD (Storage)
- Redundant Power Supply

PC Specifications

Motherboard	ATX C612	
I/O	1x 1Gb Ethernet Port (Supporting Intel® AMT) 1x 1Gb Ethernet Port 2x USB 3.0 Ports 4x USB 3.0 Ports 2x PS/2 Ports (Keyboard/Mouse) 3x Audio Jacks (Mic-In/Line-In/Line-Out)	
Additional I/O	2x USB 3.0 Ports (Front)	
CPU	Xeon® E5-2680 V4	Xeon® E5-2620 V4
CPU Speed	2.4GHz Base, 3.3GHz Turbo (14 Cores, 28 Threads)	2.1GHz Base, 3.0GHz Turbo (8 Cores, 16 Threads)
Expansion Slots	4x PCIe 3.0 x16 (16/16/NA/8 or 16/8/8/8) / 2x PCIe 2.0 x1 (in x4)	
Memory	32 / 64GB DDR4 ECC (Up to 512GB)	
Power Supply	2x 100~240VAC Power Entry's, Redundant Power Supply	
Storage	240GB – 2TB SATA SSD / 1TB HDD / 1 – 10TB Enterprise Grade Hard Drive SATA	
Operating System	- Windows® 7 Professional (64-bit) - Windows® 7 Embedded Standard (64-bit) - Windows® 10 Professional (64-bit) - Windows® 10 Enterprise IoT LTSC 2016 (64-bit) - Windows® Server 2012 R2 (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	
Video Card	AMD W4100 FirePro™ (4x MINI DisplayPorts)	
Included	2x 6 ft. Power Cable	
Compliance	European Union Directive 2011/65/EU (RoHS)	
Warranty	24-Month limited warranty. Extended warranty available, contact DYNICS for details.	





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Dimensions, Weight and Power Consumption

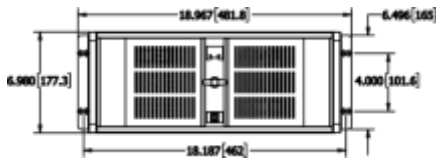
	Height	Width	Depth	Weight	Power Consumption
194X	6.980" (177.3mm)	18.967" (481.8mm)	22.297" (566.3mm)	TBD	Maximum 1010 Watts**
					Typical 275 Watts**

*Weights are approximate, contact DYNICS for details.

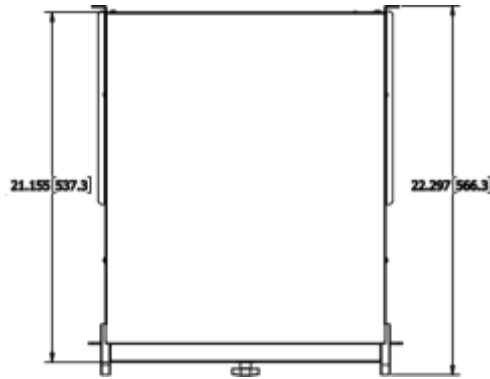
**Power Consumption based on maximum ratings, actual ratings vary significantly based on components used.

Mechanical Drawings

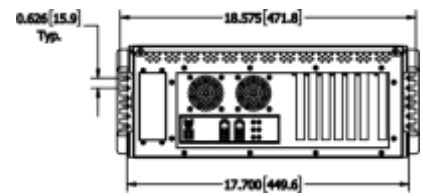
Front View



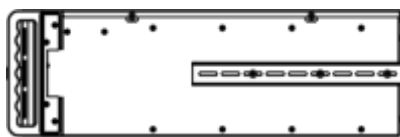
Top View



Back View



Side View



Power Entry 100~240VAC



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.

