



# CW

## Datasheet

### CW | Large PC Display

DYNICS CW is a cost effective, metal-enclosed industrial display, powered by a DYNICS industrial computer. The CW can be mounted to a wall, ceiling or pole and can operate 24/7.

#### Key Features

- 100~240VAC
- Optional Integrated PC

#### Display Specifications

Size	Resolution	View Angle	Contrast	Brightness	Aspect Ratio
32"	FHD 1920 x 1080	H: -89°/+89°, V: -89°/+89°	3000:1	360 nits	16:9
42"	FHD 1920 x 1080	H: -89°/+89°, V: -89°/+89°	4000:1	500 nits	16:9
46"	FHD 1920 x 1080	H: -89°/+89°, V: -89°/+89°	4000:1	500 nits	16:9
55"	FHD 1920 x 1080	H: -89°/+89°, V: -89°/+89°	4000:1	400 nits	16:9
75"	FHD 1920 x 1080	H: -89°/+89°, V: -89°/+89°	4000:1	400 nits	16:9
80"	FHD 1920 x 1080	H: -89°/+89°, V: -89°/+89°	5000:1	500 nits	16:9
<b>Lens</b>	No Protective Lens / Polycarbonate Lens				
<b>LED Life</b>	50,000 Hour Backlight Half-Life				
<b>Enclosure</b>	Black Powder Coat Finish				

#### PC Specifications

32" / 42" / 46" / 55" / 80" 75"

Motherboard	MINI-ITX Q170	MINI-ITX Braswell	ProAV (Monitor Only)	Pro4K (Monitor Only)
<b>I/O</b>	1x 1Gb Ethernet Port (Supporting Intel® AMT™) 1x 1Gb Ethernet Port 1x RS232 Port 4x USB 3.0 Ports 4x USB 2.0 Ports 2x PS/2 Ports (Keyboard & Mouse) 1x DVI-D Port 2x DisplayPorts V1.2 2x Audio Jacks (Mic-In/Line-Out)	2x 1Gb Ethernet Ports 1x RS232/422/485 Port 2x USB 3.0 Ports 1x DVI-D Port 1x DisplayPort	1x DisplayPort 1x HDMI Port 1x VGA Port 1x Audio Jack (Line-In) 1x Remote Control	4x HDMI Ports 1x DisplayPort 1x Remote Control
<b>CPU</b>	6 <sup>th</sup> Gen Intel® Core™ i5 6500TE / i7 6700TE	Braswell N3160	N/A	N/A
<b>CPU Speed</b>	i5 – 2.3GHz Base, 3.3GHz Turbo (4 Cores, 4 Threads) i7 – 2.4GHz Base, 3.4GHz Turbo (4 Cores, 8 Threads)	1.6GHz Base, 2.24GHz Turbo (4 Cores, 4 Threads)	N/A	N/A
<b>Memory</b>	Up to 32GB DDR4	8GB DDR3	N/A	N/A
<b>Power Supply</b>	100~240VAC Power Entry			
<b>Storage</b>	240GB – 2TB SATA SSD / 1TB HDD			
<b>Operating System</b>	- Windows® 7 Embedded Standard (64-bit) - Windows® 7 Professional (64-bit) - Windows® 10 Professional (64-bit) - Windows® 10 Enterprise IoT LTSB 2016 (64-bit)			
<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>Compliance</b>	European Union Directive 2011/65/EU (RoHS)			
<b>Warranty</b>	24-Month limited warranty. Extended hardware available, contact DYNICS for details.			





# CW

## Datasheet

### Dimensions, Weight and Power Consumption

	32"	42"	46"	55"	75"	80"
<b>Height</b>	18.145" (460.9mm)	23.395" (594.2mm)	25.333" (643.5mm)	29.565" (750.9mm)	TBD	42.504" (1079.6mm)
<b>Width</b>	30.145" (765.7mm)	39.394" (1000.6mm)	42.833" (1087.9mm)	50.408" (1280.4mm)	TBD	73.011" (1854.5mm)
<b>Depth</b>	3.578" (90.9mm)	3.264" (82.9mm)	3.416" (86.8mm)	3.253" (82.6mm)	TBD	3.375" (85.7mm)
<b>Weight</b>	68 lbs.*	72 lbs.*	86 lbs.*	140 lbs.*	TBD	275 lbs.*
	32"	42"	46"	55"	75"	80"
<b>Power Consumption</b>						
<b>Integrated PC</b>	TBD	160 Watts**	190 Watts**	170 Watts**	255 Watts**	425 Watts**
<b>ProAV (Monitor Only)</b>	TBD	100 Watts**	130 Watts**	145 Watts**	N/A	365 Watts**
<b>Pro4K (Monitor Only)</b>	N/A	N/A	N/A	N/A	230 Watts**	N/A

\*Weights are approximate, contact DYNICS for details.

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

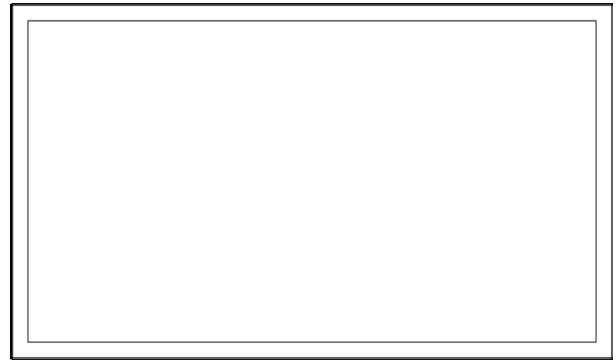
	32"	42" - 55"	75" - 80"
<b>VESA Pattern</b>	500mm (W) x 300mm (H)	600mm (W) x 400mm (H)	800mm (W) x 600mm (H)

### Mechanical Drawings

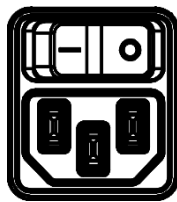
Side View



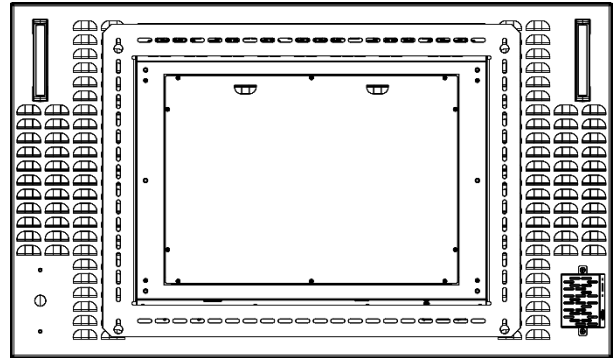
Front View



Power Entry 100~240VAC



Back View



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.

