## HSW

## HSW | Enclosed Unit with Integrated PC

DYNICS HSW is a fully sealed integrated workstation in an IP66 rated enclosure built to withstand water and ambient pollutants. The HSW is equipped with either an Apollo Lake or Whiskey Lake quad core processor, making it a highly proficient workstation for food grade applications in caustic environments.

- 24VDC (4-Pin)
- Overlay Touch Screen

- NEMA 4X Stainless Steel 316 Food Grade

- VESA/Wall Mount Bracket Mount System with Up to 20° Tilt

## DISPLAY SPECIFICATIONS

| | | |
|---|---|---|
| **SIZE** | **15.6"** | **18.5"** |
| **RESOLUTION** | FHD 1920 x 1080 | FHD 1920 x 1080 |
| **VIEW ANGLE** | H: -80°/+80° V: -80°/+80° | H: -85°/+85° V: -80°/+80° |
| **CONTRAST** | 800:1 | 1500:1 |
| **BRIGHTNESS** | 600 nits | 400 nits |
| **ASPECT RATIO** | 16:9 | 16:9 |
| **LENS** | Overlay Analog Resistive Touchscreen | |
| **LCD LIFE** | 50,000 Hour Backlight Half-Life | |
| **ENCLOSURE** | NEMA 4X Stainless Steel 316 Food Grade / IP66 0-20° Tilt Bracket included with 60, 100, 150, 200, & 250 VESA mounts (can also be used for wall mounting) | |

## PC SPECIFICATIONS

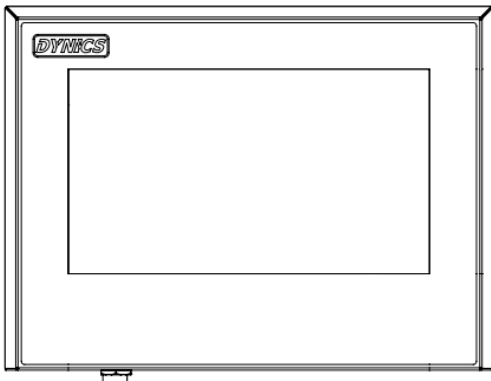| | | |
|---|---|---|
| **COMPUTER I/O** | **Intel® Apollo Lake** | **Intel® 8th Gen Whiskey Lake-U** |
| 1Gb Ethernet Ports | 2x | 2x |
| USB 3.0 IP65 Ports | 2x | 2x |
| **CPU** | **Apollo Lake Quad Core™ Pentium® N4200** | **Intel® 8th Gen Core™ i5 8265U / i7 8565U** |
| **CPU SPEED** | Up To 2.5GHz , 2MB Cache (4 Cores, 4 Threads) | i5- up to 3.9 GHz, 6MB Cache (4 cores, 8 threads) i7- up to 4.6 GHz, 8MB Cache (4 cores, 8 threads) |
| **MEMORY** | Up to 16GB DDR3 | Up to 32GB DDR4 |
| **STORAGE** | 256GB – 2TB SATA SSD / 1TB HDD | |
| **OPERATING SYSTEM** | -Windows® 10 Enterprise IoT LTSB 2016 (64-bit) *(Only available with Apollo Lake)* **(Code: E10)** -Windows® 10 Enterprise IoT LTSC 2019 (64-bit) **(Code: E19)**    - Windows® Pro 10 (64-bit) **(Code: W10)** -Windows® 10 Enterprise IoT LTSC 2021 (64-bit) **(Code: E21)**    - Windows® Pro 11 (64-bit) **(Code: W11)** -Linux® Ubuntu® - Contact DYNICS for more details **(Code: LUB)** | |
| **POWER SUPPLY** | 24VDC (4-Pin) Power Entry (Quick Disconnect Included) | |
| **TEMPERATURE** | Operating: 0°-45°C  \|  32°-113°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 | |
| **ALTITUDE** | Maximum altitude of 2,000 meters | |
| **INCLUDED** | 1x (4-Pin) Quick Disconnect   \|   VESA Bracket Mount System | |
| **OPTIONAL** | D-Coded M12 Ethernet Connector / X-Coded M12 Ethernet Connector / RJ45 Capped Ethernet Connector | |
| **COMPLIANCE** | European Union Directive 2011/65/EU (RoHS) | |
| **WARRANTY** | 24-Month limited warranty. Extended warranty available, contact DYNICS for more details. | |

## HSW

## DIMENSIONS, WEIGHT AND POWER CONSUMPTION

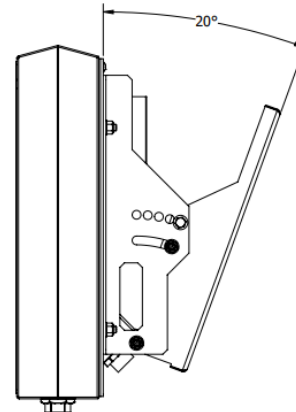| | 15.6" | 18.5" |
|---|---|---|
| **HEIGHT** | 11.75" (298.5mm) | 13.05" (331.5mm) |
| **WIDTH** | 17.54" (445.5mm) | 19.80" (503.1mm) |
| **DEPTH** | 3.39" (86.2mm) | 3.39" (86.2mm) |
| **DEPTH** (With VESA Bracket) | 6.90" (175.1mm) | 6.90" (175.1mm) |
| **WEIGHT** | 28.3 lbs.* | 30.0 lbs.* |
| **POWER CONSUMPTION** | | |
| Apollo Lake | 40 Watts** | 60 Watts** |
| Whiskey Lake | 50 Watts** | 65 Watts** |

*Weights are approximate, contact DYNICS for details.
**Power Consumption based on maximum ratings, actual ratings vary significantly based on components used.
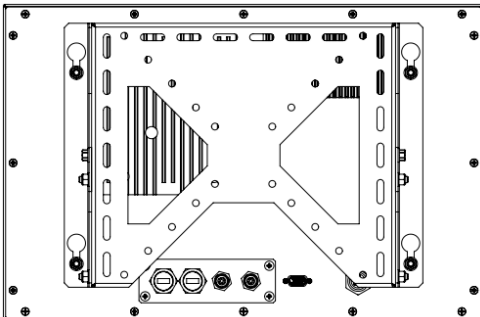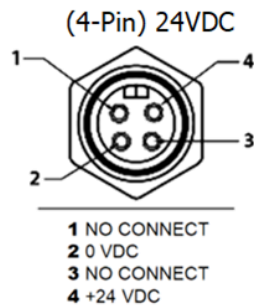
## MECHANICAL DRAWINGS

### FRONT VIEW



### SIDE VIEW



### BACK VIEW



### POWER ENTRY



(4-Pin) 24VDC

1 NO CONNECT
2 0 VDC
3 NO CONNECT
4 +24 VDC

### ISOMETRIC VIEW