



ACP® HX

Datasheet

HX | Industrial Workstation (ACP® ThinManager)

DYNICS ACP® HX has an integrated PC in a sealed metal enclosure with ThinManager enabled. This workstation is designed for various applications and built for industrial environments.

Key Features

- NEMA 4 / NEMA 4X
- VESA / Wall Bracket Mount System with Up to 20° Tilt
- 24VDC (4-Pin)
- ACP® ThinManager Ready

Display Specifications

| Size: | Resolution: | View Angle: | Contrast: | Brightness: | Aspect Ratio: |
|------------------|--|----------------------------|-----------|-------------|---------------|
| 15" | XGA 1024 x 768 | H: -80°/+80°, V: -80°/+80° | 600:1 | 400 nits | 4:3 |
| 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 | Metal Enclosure with Powder Coat Finish / Stainless Steel Food Grade | | | | |

PC Specifications

| Motherboard: | Bay Trail |
|--------------------------|---|
| I/O | 2x RJ45 Ethernet Ports 2x USB 3.0 Ports |
| ACP® ThinManager | ACP® ThinManager Enabled |
| CPU | Intel® Bay Trail N2807 |
| CPU Speed | 1.58GHz Base, 2.16GHz Turbo (2 Cores, 2 Threads) |
| Memory | 2GB DDR3 |
| Power Supply | 24VDC (4-Pin) Power Entry |
| 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 |
| 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, Weights and Power Consumptions

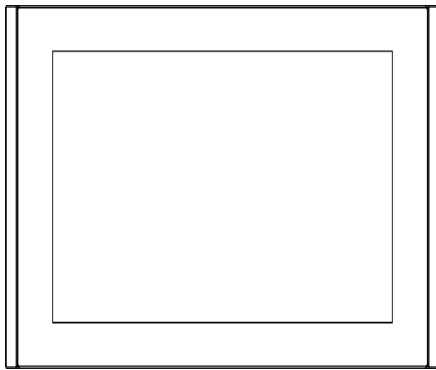
| | 15" | 17" | 19" |
|---------------------------|----------------------|----------------------|----------------------|
| Height: | 12.840" (326.1mm) | 14.580" (370.3mm) | 16.040" (407.4mm) |
| Width: | 16.423" (417.1mm) | 17.983" (456.8mm) | 19.173" (487.0mm) |
| Depth: | 6.800" (172.7mm) | 6.800" (172.7mm) | 6.800" (172.7mm) |
| Weight: | 25 lbs.* | 25 lbs.* | 26 lbs.* |
| Power Consumption: | 40 Watts** | 50 Watts** | 55 Watts** |

*Weights are approximate, contact DYNICS for details.

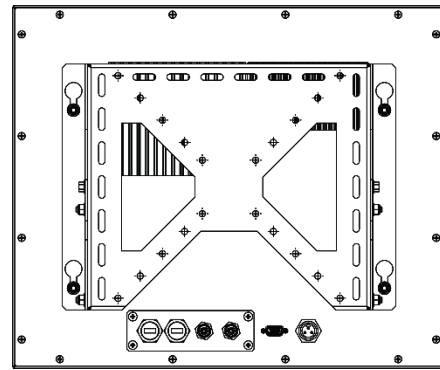
**Power Consumption based on maximum ratings, actual ratings vary significantly based on components used.

Mechanical Drawings

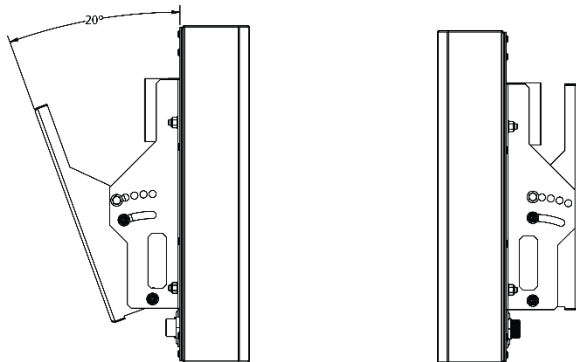
Front View



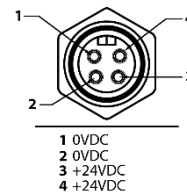
Back View



Side View



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.

