OP/Station®
Industrial Workstations

Customized, Secure, and Ready for Any Environment

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SECURE OPERATIONS

Rugged Durability. Leading Technology.

OP/Station® secure, customized workstations deliver reliable performance in the most challenging conditions.

We design and build our OP/Station industrial workstations to meet the demanding requirements of modern industrial environments. Whether you're in manufacturing, a laboratory, process control, or anywhere precision and reliability are paramount, OP/Stations ensure reliable performance in even the most challenging conditions.

Operate Effectively, Anywhere
Our OP/Stations industrial workstations are not just about enduring tough environments; they are about enhancing operational efficiency and productivity. With a focus on customization and scalability, we offer solutions that can adapt to your evolving needs.

- UL Rated, Hazardous Locations: Class I, II, III, Div. 2
- Certifications: UL 508A, UL 50E, FCC Class A, CE, UL 60950 3rd Edition
- NEMA 4/12 or NEMA 4/4X/12
- Sealed to IP65/66 standards
- Purge kits; IS barriers; signal disconnects
- UPS systems; cooling systems

Designs for Every Operating Environment
We offer several standard designs for industrial workstations, each design applicable to a set of applications and environments. From these standard designs, customers may choose to add features and capabilities to meet specific needs in collaboration with our HIP (Hardware Integration Program) engineers.

🛡 **Durability Redefined**
Built to withstand harsh conditions, including extreme temperatures, dust, and vibration.

📈 **Performance Oriented**
Workstations include powerful processors and graphics for demanding applications and data intensive tasks.

🔗 **Seamless Integration**
Easy integration with existing systems, offering a range of connectivity options.

⤢ **Modular and Scalable**
Modular design for easy upgrades and customization, to grow with your needs.

Designed for Safety and Efficiency

Our OP/Station solutions are not just functional but also safe, efficient, and compliant with industry standards, making them an ideal choice for pharmaceutical and critical infrastructure applications.

Flexible Mounting Solutions

We offer a variety of mounting options, such as pendant arm, wall-recessed, and ceiling mounts, catering to different spatial requirements. These flexible solutions, like the pendant arm mounts, enhance space efficiency by allowing adjustments and retraction when not in use.

Ruggedized for Reliability

Our hardware, including thin clients, panel PCs, ruggedized touch displays, and mobile workstations, are engineered to withstand harsh industrial conditions.

Mobility and Connectivity

Mobile workstations are a standout feature, offering the flexibility to move units as needed within facilities. Equipped with wireless connectivity and heavy-duty batteries for continuous operation, these workstations facilitate rapid reconfiguration of work environments.

Space Optimization for Pharmaceuticals

Innovative design solutions ensure that even crowded facilities can efficiently accommodate essential computing platforms and visualization displays, optimizing every available space.

Customization for Specific Needs

Understanding that one size does not fit all, we provide custom solutions for unique operational requirements. This customization can include specific sizes, inputs, communication connections, mounting options, and battery types.

Compliance and Wireless Integration

We ensure that all OP/Station solutions are compliant with necessary regulatory standards, particularly vital in cleanroom environments. Built-in Wi-Fi capabilities allow for seamless communication, reducing the risks associated with wires in sensitive areas.

Ready to Learn More?

Discover how OP/Station can transform your industrial workspace into a model of efficiency, safety, and compliance. Visit our website, call, or email us today.

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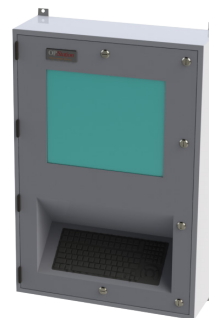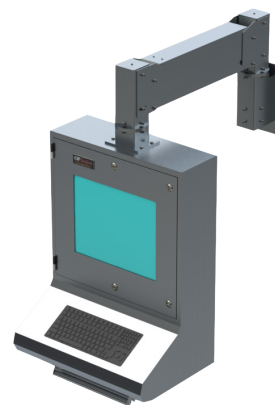
TECHNICAL SPECIFICATIONS

	12	15	17	19	19.5	22	23.8
Display							
Type	Thin-film transistor (TFT) Active Matrix Liquid Crystal, LED Backlit						
Size / Aspect Ratio	12.1" diagonal / 4:3	15" diagonal / 4:3	17" diagonal / 5:4	19" / 5:4	19.5" / 16:9	22" diagonal / 16:10	23.8" diagonal / 16:9
Image Size (W+H)	246 x 184.5 mm (9.7" x 7.3")	304 x 228 mm (12.0" x 9.0")	338 x 270 mm (13.3" x 10.6")	375 x 300 mm (14.8" x 11.8")	474 x 296 mm (18.7" x 11.7")	527 x 296 mm (20.75" x 11.67")	
Native Resolution	SVGA (800 x 600 @60Hz)	XGA (1024 x 767 @60Hz)	SXGA (1280 x 1024 @60Hz)	SXGA	HD1080p (1920 x 1080 @ 60Hz)	WSXGA+ (1680 x 1050 @ 60Hz)	HD1080p (1920 x 1080 @ 60Hz)
Pixel Pitch	0.308 mm x 0.308 mm	0.297 mm x 0.297 mm	0.264 mm X 0.264 mm	0.293 mm x 0.293 mm	0.2265 mm x 0.221 mm	0.282 mm x 0.282 mm	0.2745 mm x 0.2754 mm
Number of Colors	16.7 million						
Brightness (white)	450 nits (cd/m²)	400 nits (cd/m²)			250 nits (cd/m²)	350 nits (cd/m²)	
Viewing Angle (Hori/Vert)	178° / 178°	170° / 170°	170° / 160°	178° / 178°	170° / 160°	178° / 178°	178° / 178°
Contrast Ratio	1500:1	1000:1	1000:1 (typ); 20M:1 (dyn)	3000:1	1000:1 (typ); 10M:1 (dyn)	1000:1	1000:1
Backlight Brightness half-life	60,000 hours	40,000 hours			50,000 hours	40,000 hours	40,000 hours
Video							
Input Connectors	HD-15, DVI-I	HD-15, DVI-I	HD-15, DVI-D	DVI-I, DisplayPort	HD-15, DVI-I	HD-15, DVI-I	DVI-I, DisplayPort
Inputs using Adapter	HDMI, HDMI Mini, HDMI Micro, DisplayPort (DP), DisplayPort Mini, BNC			HDMI, HDMI Mini, HDMI Micro, DisplayPort Mini, VGA, BNC	HDMI, HDMI Mini, HDMI Micro, DP, DP Mini, BNC	HDMI, HDMI Mini, HDMI Micro, DisplayPort Mini, VGA, BNC	HDMI, HDMI Mini, HDMI Micro, DisplayPort Mini, VGA, BNC
Input Signal Formats	RGB Analog, Sync Types: Separate (Sep.), Composite (Comp.), Sync-on-Green (SoG); DVI			RGB Analog, Sync Type: Separate; DVI	RGB: Sep., Comp., SoG; DVI; DisplayPort	RGB: Sep., Comp., SoG; DVI; DisplayPort	RGB: Sep., Comp., SoG; DVI; DisplayPort
Horizontal / Vertical Scan	30-60 kHz / 50-75 Hz	31-73 kHz / 50-75 Hz		31-75 kHz / 50-75 Hz	24-82 kHz / 50-75 Hz	31-75 kHz / 50-75 Hz	
Response Time	12 ms	35 ms	5 ms	14 ms	25 ms	5 ms	14 ms
Electrical							
Monitor Input	100 to 240 VAC, 0.4/0.2A, 60/50 Hz or 9.6-36.6 VDC, 2.5 to 0.65 A	100 to 240 VAC, 1.50/0.75 A, 60/50 Hz or 9.6 to 36.6 VDC, 2.5 to 0.65 A		100 to 240 VAC, 0.6/0.3 A, 60/50 Hz and 10.8 to 26.4 VDC, 2.3 to 0.9 A	100 to 240 VAC, 1.50/0.75 A, 60/50 Hz or 9.6 to 36.6 VDC, 2.5 to 0.65 A	100 to 240 VAC, 0.6/0.3 A, 60/50 Hz or 9.6 to 36.6 VDC, 2.3 to 0.9 A	100 to 240 VAC, 0.6/0.3 A, 60/50 Hz and 10.8 to 26.4 VDC, 2.3 to 0.9 A
Power Consumption	~14.9 W	~16.8 W	~20 W	~16 W	~27 W	~26 W	~27 W
Environmental							
Temperature / Humidity	Operating Temperature: 0° to 50°C (32° to 122°F); Storage Temperature: -20° to 60°C (-4° to 140°F) / Humidity: 20% to 90%, non-condensing						
Operating Shock / Vibration	15 g, 6 msec, half-sine / Operating Vibration (sine): 1.0 g, swept sine 9-500 Hz; Transport Vibration (random): 0.1g2 /Hz, 10-200Hz; 0.03g2 /Hz, 200-2000 Hz						
Altitude	Altitude Operating: up to 10,000 ft; Non-operating: up to 40,000 ft						
Physical							
Enclosure Type	Panel mount; rear collar compresses gasket against panel (5/16" maximum panel thickness); held by M5 studs within single cutout			Edge-to-edge window		Black powder-coated carbon steel or stainless steel faceplate	Edge-to-edge window
Bezel Material	Black powder-coated carbon steel or stainless steel faceplate			Black powder-coated carbon steel or stainless steel faceplate	Black powder-coated carbon steel (CS): NEMA/UL Type 12/4; IP65/IP66 Stainless steel (SS): NEMA/UL Type 12/4/4x; IP65/IP66	Black powder-coated carbon steel or stainless steel faceplate	Edge-to-edge window
Panel Rating (with proper installation)				NEMA/UL Type: 12/4; IP65/66/69/69K	CS: NEMA/UL Type: 12/4; IP65/66 SS: NEMA/UL 12/4/4x; IP65/66	NEMA/UL Type: 12/4/4X; IP65/66/69/69K	NEMA/UL Type: 12/4/4X; IP65/66/69/69K
Depth behind Front Edge of Panel	50.3 mm (1.98")	49.6 mm (1.95")	49.9 mm (1.97")	53.8 mm (2.12")	46.3 mm (1.82")	50.0 mm (1.97")	46.1 mm (1.81")
Front Bezel Outside Dimensions (WxHxd)	338 mm x 296 mm x 7 mm (13.31" x 11.94" x 0.28")	437.8 mm x 353.6 mm x 7mm (17.24" x 13.92" x 0.28")	483 mm x 399 mm x 7mm (19.0" x 15.77" x 0.28")	530 mm x 333 mm x 9 mm (20.87" x 13.1" x 0.35")	559 mm x 375 mm x 7 mm (22.0" x 14.75" x 0.28")	597 mm x 377 mm x 9 mm (23.5" x 14.83" x 0.35")	
Cutout Dimensions (W+H)	308 mm x 263 mm (12.12" x 10.35")	406.9 mm x 323.1 mm (16.02" x 12.72")	453.4 mm x 366.8 mm (17.85" x 14.44")	497.8 mm x 298.5 mm (19.60" x 11.75")	528.7 mm x 342.3 mm (20.81" x 13.48")	566.7 mm x 342.4 mm (22.31" x 13.48")	
Net / Shipping Weight	8.5 lbs / 11.4 lbs	14 lbs / 18 lbs	18 lbs / 22 lbs	12.9 lbs / 18 lbs	19 lbs / 23 lbs	17 lbs / 30 lbs	
Window Options	All Models: - Single-Touch Resistive Touch Screen - Tempered Glass window (non-touch) - Acrylic window (non-touch) (n/a 19.5, 23.8) - Glass-armored touch screen with sulfur gas protection also available (call for details) HIS-ML19.5 and HIS-ML23.8 Models only: - Multi-Touch PCAP Touch Screen - Food Protection window (non-touch)						
Compliances and Certifications							
Electrical	UL/EN/IEC62368-1, UL/EN/IEC60950-1, UL Recognized Component for US and Canada, UL 508A, CAN ICES-3A/NMB-3A, CE, UKCA, FCC Class A, NOM			UL 50E, IEC 60721-3 (Reliability), WEEE			
Hazardous Location	UL Listed for Class I, II, III, Division 2, Groups A, B, C, D, F, G; Temp Code T4A		UL Listed for Class I, II, III, Division 2, Groups A, B, C, D, F, G; Temp Code T4	UL Listed for Class I, II, III, Div. 2, Groups A, B, C, D, F, G; Temp Code T5	UL Listed for Class I, II, III, Div. 2, Grps A, B, C, D, F, G; T-Code T5 (AC); T-Code T4A (DC)	UL Listed for Class I, II, III, Div. 2, Grps A, B, C, D, F, G; T-Code T5 (AC); T-Code T4A (DC)	UL Listed for Class I, II, III, Division 2, Groups A, B, C, D, F, G; Temp Code T5