

HORIZON TA-6140-22

21.5" Lightweight All-in-One Industrial Kiosk Computer



Key Highlights

- Intel® Celeron CPU with Core i™ Options Available
- 21.5" PCAP Touch Display
- Lightweight and Sleek Plastic Enclosure
- Modular Design
- High performance for a low cost
- External Expansion modules available for webcam, NFC/RFID readers, light bar, and more

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The TA-6140-22 is the sleek plastic kiosk member of the Horizon family. Enjoy the modular design, slim yet rugged construction, and N97 or N305 processor options of the Horizon Series at a lower price point in a lightweight unit perfect for consumer-facing applications. Customize the TA-6140-22 to your specific application with a variety of external expansion modules: 5MP webcam, fingerprint reader, 2D scanner, and more. This customer-friendly kiosk, with vertical and horizontal mounting support, still brings Teguar durability to light industrial applications with a sturdy enclosure and a securely adhered 21.5" PCAP touch screen.

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Technical Specifications

Primary Components

| | |
|------------------|---|
| Processor Family | Intel Celeron or Core I series 12th Generation Alder Lake N |
| Processor Model | Core i3-N305, Intel Processor N97 |
| Processor Speed | Up to 3.6 GHz, Up to 3.8 GHz |
| Memory Type | 1x DDR4 SO-DIMM |
| Memory Support | 8GB, 16GB |
| Storage Support | 128GB-1TB |

Power

| | |
|------------------------|-------------------------|
| Input Voltage Range | 12-48V DC |
| Standard Power Adapter | 19Vdc, 3.42A, 65W US AC |

Operating Systems

| | |
|---------|--|
| Windows | Windows 10 IoT, Windows 11 IoT, Windows 11 Pro |
| Linux | Linux |

Expansion Slots

| | |
|--------------------------|--|
| Internal M.2 | 1x M.2 2280 M-Key for NVMe or SATA SSD |
| Expansion Module support | 1x Expansion Board Slot with Options for Powered USB (2x 12V, 1x 24V) and Isolated LAN (1x RJ45, 1x DB9 COM) |

Thermal & Environmental

| | |
|-----------------------|-----------------------------|
| Operating Temperature | 0°C - 40°C (32°F - 104°F) |
| Storage Temperature | -20°C - 60°C (-4°F - 140°F) |
| Cooling Solution | Passive - Fanless |
| Humidity Range | 20% - 85% Non-condensing |

Peripherals & Wireless Connectivity

| | |
|-----------|------------------------|
| WiFi | Optional WiFi 6E |
| Bluetooth | Optional Bluetooth 5.2 |

Certification

| | |
|----------------|---------|
| Certifications | CE, FCC |
|----------------|---------|

Specifications subject to change.

Display

| | |
|--------------|-----------------------|
| Screen Size | 21.5 |
| Resolution | 1920 x 1080 (Full HD) |
| Screen Ratio | 16:9 |

Touch Screen

| | |
|--------------|------------------------------------|
| Touch Screen | Projected Capacitive (Multi-touch) |
|--------------|------------------------------------|

External I/O Ports

| | |
|------------------------|---|
| USB | 1x USB 3.2 Type-C (DP 1.4A), 2x USB 3.0, 4x USB 2.0 |
| Serial / Com | 3x RJ48 COM |
| Serial Protocol Detail | RS232 |
| Video Outputs | 1x DisplayPort via USB-C Alt Mode |
| Other Ports | 1x RJ11 |
| Power Input Port | 4-Pole DIN (latching) |

Multimedia

| | |
|----------|---------------------|
| Speakers | 1x 3W Speaker |
| Camera | Optional 5MP Webcam |

Enclosure

| | |
|---------------------|-------------------------------|
| Material | Plastic |
| IP Rating | IP54 Front Bezel |
| Color | Black |
| Led Indicator Light | Power |
| Control Buttons | Power Button |
| Mounting Options | VESA 100 Mount, VESA 75 Mount |

Weight / Dimensions

| | |
|------------|--|
| Dimensions | 518 x 310 x 49.3 mm (20.4 x 12.2 x 1.9 in) |
|------------|--|

Warranty

| | |
|----------|---------------|
| Warranty | Up to 5 Years |
|----------|---------------|

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