TEGUAR

HORIZON TA-6140-16

15.6" Lightweight All-in-One Industrial Kiosk Computer



Key Highlights

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

VIEW ONLINE

The TA-6140-16 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-6140-16 to your specific application with a variety of external expansion modules: 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 15.6" 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)

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	370 x 235 x 42.3 mm (14.6 x 9.3 x 1.7 in)

Warranty

Warranty	Up to 5 Years

Specifications subject to change.

Display

Screen Size	15.6"
Screen 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

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

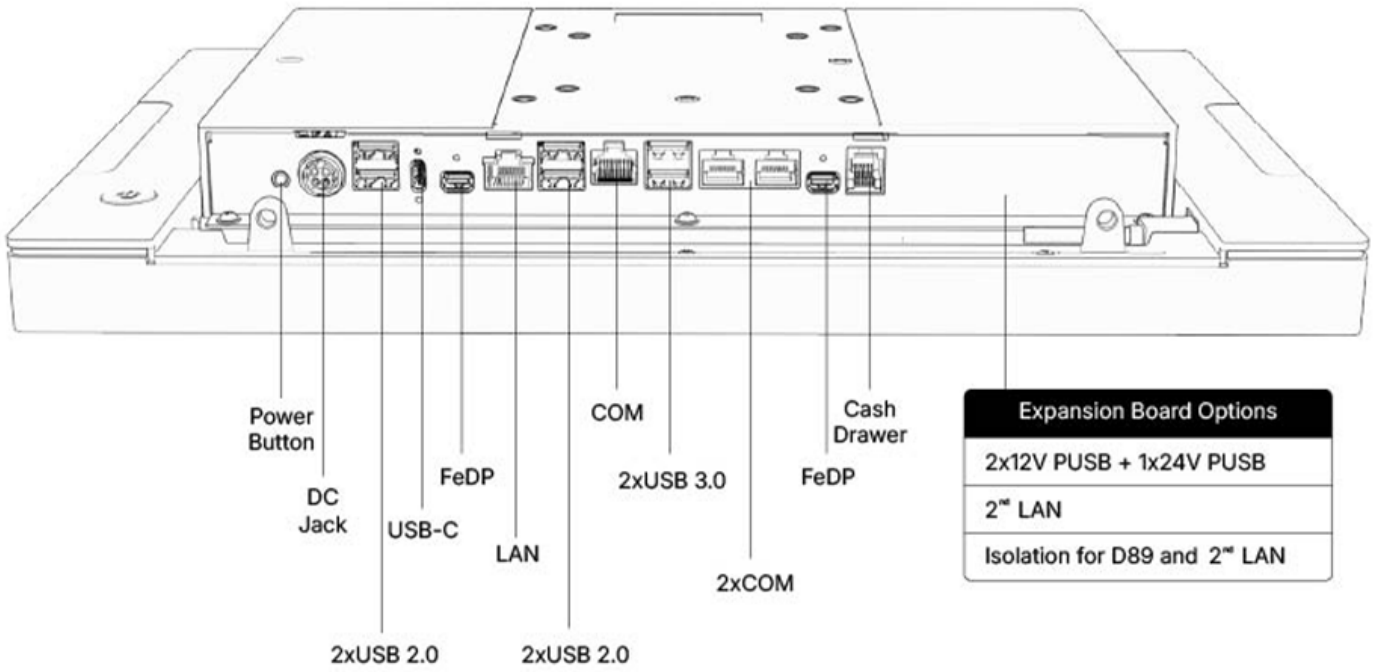
Certifications	CE, FCC

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I/O



Expansion Board Options
2x12V PUSB + 1x24V PUSB
2™ LAN
Isolation for D89 and 2™ LAN

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