

24" AIO

ALL IN ONE PANEL PC

Intel® Core™ i7-9700TE Rugged All-In-One Military Panel PC



- Intel® Core™ i7-9700TE, 9th Gen (Coffee Lake, 8-Core)
- Integrated Intel® HD Graphics 630 for Full HD visuals
- DDR4 RAM up to 128GB SO-DIMM
- Removable, Pad-Lockable 2.5" SSD Tray
- Removable BIOS Battery
- 10/100/1000 Ethernet
- 10G Fiber
- Dual USB 3.0 Ports for high-speed connectivity
- Configurable RS-232/422/485 Serial Port for legacy device integration
- 24" Color TFT LCD with 1920x1080 resolution
- Resistive Touchscreen (Optional)



Full HD Touchscreen | Flexible Mounting Options
Versatile I/O Connectivity | Vivid Display with Dimming

The 24" AIO, All-In-One Military Panel PC, is engineered for mission-critical applications in rugged environments. It features a fanless design with a durable, corrosion-resistant enclosure and a 1920 x 1080 Full HD 24" display, delivering reliable performance in demanding conditions.

Powered by the Intel® Core™ i7-9700TE, the 24" AIO provides high-performance computing with integrated Intel® HD Graphics 630 and up to 96GB of DDR4 RAM. The system includes standard support for MIL Circular I/O connectors, offering Gigabit Ethernet, USB 3.0, and configurable RS-232/422/485 serial ports for robust connectivity. Designed to meet MIL-STD standards for shock, vibration, and EMI, it ensures dependable operation in temperatures from 0°C to 50°C.

MIL-DTL-901D Grade A Shock | MIL-STD-167-1A Vibration | MIL-STD-461 EMI

Specifications

RS-12172024

System

CPU	Intel® Core™ i7-9700TE, 8-Core, 9th Gen (Coffee Lake)
RAM	DDR4, up to 128GB SO-DIMM
GPU	Integrated Intel® HD Graphics 630
OS	Windows 10, Windows 7, Linux
BIOS	AMI
BIOS Battery	Removable, CR2032 lithium battery
SIO	IT8786E

Display

Type	Color TFT LCD with LED Backlight
Screen Size	24" diagonal
Resolution	1920 x 1080 (Full HD)
Luminance	1000 nits max
Dimming Range	<0.001 - 1000 nits
Contrast	700:1 minimum
Touchscreen	Resistive (Optional)

I/O

Power Input	115VAC, 60Hz (Nominal)
Ethernet	10/100/1000BASE-TX Ethernet 10GBASE-LR Fiber Ethernet
USB	2 x USB 3.0 Ports
Serial Ports	Configurable RS-232/422/485
Grounding	1/4-20 External Ground Stud

Storage

Type	Removeable 2.5" SSD
Security	Pad-lockable SSD tray

Power

Input Voltage	115VAC, 60Hz
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Mechanical

Dimensions	25 x 15.2 x 6.34 inches (635 x 386.08 x 161.04 mm)
Weight	27 lbs nominal (excluding external cabling)
Mounting	Standard mounting configurations available
Design	Aluminum chassis and enclosure

Environmental

Operating Temp	0°C to 50°C
Storage Temp	-25°C to 63°C
Humidity	10% - 90% non-condensing
Shock	MIL-STD-901D, Grade A, Class 1
Vibration	MIL-STD-167-1A
Drip Protection	MIL-STD-108E
EMI	MIL-STD-461G

*Environmental ratings for base system only.

Dimensions & Drawing

Unit : inch

