19" AIO
ALL IN ONE PANEL PC

Intel® Core™ i7-1185G7E
Rugged All-In-One Military Panel PC

- Intel® Core™ i7-1185G7E, 11th Gen (Tiger Lake, Quad-Core)
- Intel Iris Xe Graphics for enhanced visuals
- DDR4, up to 48GB 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
- 19" Color TFT LCD with 1280 x 1024 resolution
- 5-Wire Resistive Touchscreen
- TPM 2.0 for enhanced security

5-Wire Resistive Touchscreen | Flexible Mounting
Versatile I/O Connectivity | Mission-Ready Performance

The 19" AIO, All-In-One Military Panel PC, is built for mission-critical applications in rugged environments. It features a fanless design with a durable, corrosion-resistant enclosure and a 1280 x 1024 SXGA 19" display, ensuring reliable performance in demanding conditions.

Powered by the Intel® Core™ i7-1185G7E, the 19" AIO delivers high-performance computing with Intel Iris Xe Graphics and up to 48GB of DDR4 RAM. The system includes standard support for MIL Circular I/O connectors, offering Gigabit Ethernet, 10G Fiber, 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-STD-901D Grade A Shock | MIL-STD-167-1A Vibration | MIL-STD-461 EMI | MIL-STD-108E Drip Protection

Specifications

System

CPU	Intel® Core™ i7-1185G7E, 11th Gen (Tiger Lake, Quad-Core)
RAM	DDR4, up to 48GB SO-DIMM
GPU	Intel® Iris Xe
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	19" diagonal
Resolution	SXGA 1280 x 1024
Luminance	350 nits max
Dimming Range	1 - 350 nits
Contrast	1000:1 TYP
Touchscreen	5-Wire Resistive

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

Mechanical

Dimensions	18 x 15.2 x 6.49 inches (457 x 386.08 x 164.85 mm)
Weight	21 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	-40°C to 75°C
Humidity	10% - 90% non-condensing
Shock	MIL-STD-901D, Grade A
Vibration	MIL-STD-167-1A
Drip Protection	MIL-STD-108E
EMI	MIL-STD-461F

*Environmental ratings for base system only.

Dimensions & Drawing
Unit : inch