

Defense



Railway



Anti-Drone System



Features

- 10.4" LED display with 1024 × 768 resolution, 800 cd/m² brightness, and 600:1 contrast ratio.
- 11th Gen Intel® Core™ i7 processor (Tiger Lake UP3) delivers high-efficiency performance, up to 28W TDP.
- Wide operating temperature range: -30°C to 55°C.
- 8GB DDR4 RAM with 256GB SSD for fast and reliable storage.
- Capacitive multi-touch screen for smooth and precise user interaction.
- 6 customizable function keys, soft OSD menu (7-key), reset key, and illuminated power switch.
- Rugged mechanical design: 262(H) × 322(V) × 110(D) mm, approx. 6 kg with VESA mounting support.
- 12VDC MIL-grade power input (MIL-STD-1275E).
- Supports WES 7, Linux, and Red Hat operating systems.



Specifications

System

Processor	11th Gen Intel® Core™ i7processor (Tiger Lake UP3) up to 28W TDP
Memory	8 GB DDR4 RAM with 256 GB SSD
OS Support	WES 7 OS/ LINUX/ RED HAT

Graphics

Graphics Engine	Intel® Iris® Xe Graphics
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Display

Display Type	LED
Display Size	10.4 inches
Contrast Ratio	600:1
Max. Resolution	1024 x 768
Max. Color	16.7M (8 bit/color)
Active Area	476.064(H) x 267.786(V)
Pixel Pitch	0.2055mm(H) x 0.2055mm(V)
Pixel Arrangement	RGB Vertical stripe
Viewing Area	210.4mm(H) x 157.8mm (V)
Viewing Angle	Left/Right 80/80,Top 80, Down 80
Luminance	800 cd/m ²

Touchscreen

Touchscreen Type	Capacitive Touch with Optical Bonding
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I/O Interface

External I/O	<ul style="list-style-type: none">- 2 x CAN Buses- 2 x Ethernet ports- 2 x RS232/RS485/RS422 Serial Communications- 4 x PAL Camera interfaces- 1 x USB port- 3.5 Audio Jack- Speaker
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Front Panel IO

Function Key	6 - Customized programmable function keys
OSD	7 KEY SOFT MENU CONTROL BARS
Rest	System rest key
Power Switch	Illuminated Power Switch

Power

Power Input	12VDC Through MIL-D38999 Connector Meets MIL-STD-1275E
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Mechanical

Dimensions	262(H) X 322(V) X 110(D) Approx.
Weight	6 Kgs Approx.
Mounting	VESA Mount
External Finish	Black Matt

Environment

Operating Temp.	-30° C to 55° C
Storage Temp.	-40° C to 85° C
Humidity	5% to 95% Humidity, non-condensing @40° C
RoHS Compliance	RoHS Complied
Ingress Protection	IP-65 rated

Standards and Certifications

Vibration	Complied As per JSS55555
Altitude	5000m - Complied As per JSS55555
Shock	30G,11msec - Complied As per JSS55555
EMI/EMC	MIL STD 461 E/F Complied As per JSS55555

Packing List

AD-WSN-2150	x1
AC Power cable-1m	x1
Mounting Screws	x4
User Manual	x1

Order Information

Part No.	Description
AD-RPPC-104	10.4" RPPC w/Intel i7-11 Gen, P-CAP

Dimensions & Drawing

Unit: mm

