

Elevate Aisle Containment

Monitoring Display Screen, 10.1-inch



Product Overview

The Elevate Cold Aisle Monitoring Display Screen is a state-of-the-art touch screen interface designed to offer comprehensive monitoring of your Cold Aisle environment. With real-time data on temperature, humidity, and airflow across different racks and areas, it ensures your cooling system is performing optimally. The display also allows for seamless management of essential system settings, including skylight status, LED lighting, temperature and humidity sensors, water rope sensors, power usage, and alarm functions, providing full control over the environment.

Built for commercial and industrial settings, this fully enclosed touchscreen is engineered for durability and high performance. Its fast response time and space-saving design enhance user experience, making it easy to view and manage data. The intuitive interface includes a dynamic 3D model of the Cold Aisle, enabling quick access to critical information and the ability to collect and control data from various monitoring devices. Whether you're managing day-to-day operations or responding to alarms, this display system puts key information at your fingertips with efficiency and ease.

- ✓ High-resolution LCD screen
- ✓ Compatible with containment sliding door installation
- ✓ Fully enclosed aluminium alloy structure
- ✓ Built-in WiFi and Bluetooth
- ✓ HDMI Input with 4K support
- ✓ Android 11 operating System

Product Specifications

Feature	Values
Basic Spec	
Dimension	10.1-inch
Resolution	1280x800
Screen Aspect Ratio	16:10
Type	LCD Screen
Brightness	450cd/m2
Display Size	217mmx135.6mm
Refresh Rate	60Hz
Contrast Ratio	1000 : 1
Response time	2ms
Touchscreen	
Type	Capacitive touch
Resolution	4096x4096
Lifetime	Over 60 million clicks lifespan
Response Time	5ms
Enclosure	
Chassis	Fully enclosed aluminium alloy chassis
Installation Method	Wall-mounted, 75mmx75mm Embedded, 254.5mmx172.4mm
Power Supply	
Operating Input	AC100V~240V 50/60Hz
Operating Output	DC12V 5A
Power Consumption	<18W
Weight	3.3KG
Others	
IP Rating	Front Panel: IP65; Overall Protection: IPX3
Operating Temp.	0-50°C
Operating Humidity	10%-70%

Product Features Explained



High-resolution LCD screen



Fully enclosed aluminium alloy structure

✓ HDMI Input with 4K support

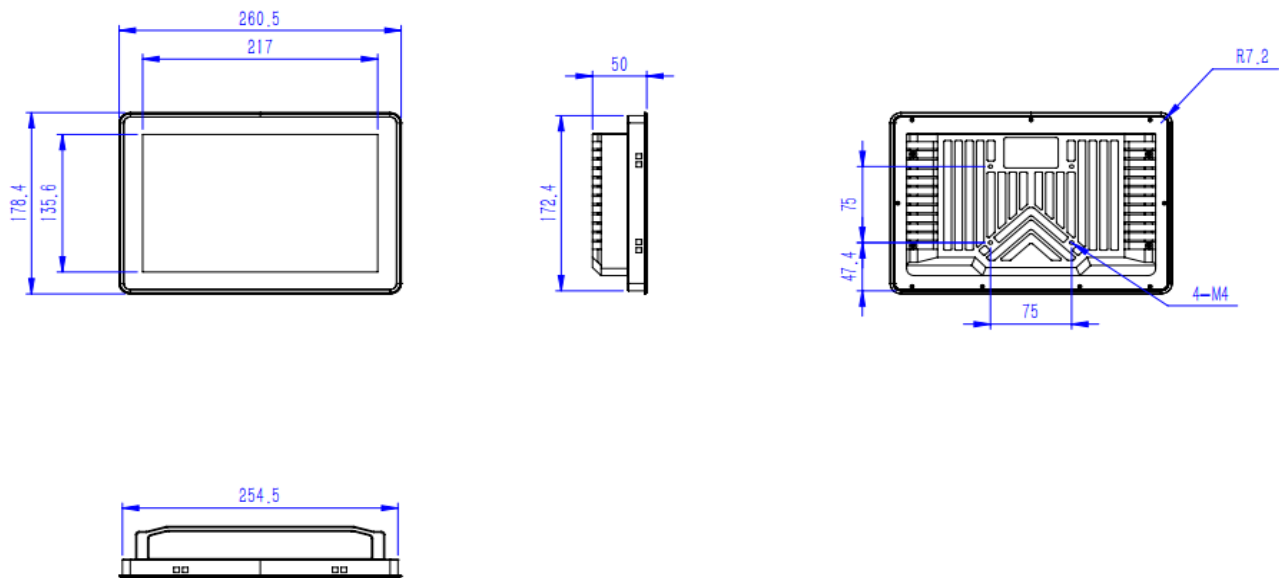
System Parameters

Feature	Values
Main Control Chip	RK3568
CPU	Quad-core 64-bit Cortex-A55, 2.0 GHz
GPU	ARM G52 2EE, supports OpenGL ES 1.1/2.0/3.2, OpenCL 2.0, Vulkan 1.1
NPU	Compute power up to 1 TOPS
Memory	Standard: 2GB (4GB/8GB optional)
Built-in Storage	Standard: 16GB (32GB/64GB/128GB/256GB optional)
Operating System	Android 11
HDMI Output	1xHDMI port, supports 1080P, 2K, 4K output
USB Port	2xUSB 3.0
TF Card Slot	Supports TF card expansion (16GB/32GB/64GB/128GB)
Network Support	Supports 10/100/1000M adaptive Ethernet (1xRJ45) Built-in WiFi and Bluetooth, WiFi supports hotspot sharing Expandable 4G connectivity (requires optional USB 4G module)
Serial Port/Expansion Port	Flexible expansion options for 232/485/TTL/USB
Audio Output	1x3.5mm standard headphone jack
RTC Real-Time Clock	Supports
System Upgrade	Supports local USB upgrade, wireless upgrade, and computer upgrade
ROOT Permissions	Default ROOT permissions open
Software Support	Supports third-party application software installation
Language Support	Supports multiple languages
Custom Development	System-level protocol available

Product Standards

Applicable standard	Description
Directive 2008/98/EC (WFD)	Waste Framework Directive — compliant. Implemented in the UK through the Waste (England and Wales) Regulations 2011 (SI 2011 No. 988).
ECHA SCIP Database	Compliant; product does not contain SVHCs (Substances of Very High Concern) as defined under REACH Article 33(1). Submission obligations met under EU REACH and UK REACH.
Regulation (EU) 2019/1021 (POPs)	EU Regulation on Persistent Organic Pollutants — compliant. For Great Britain, compliance is aligned with the Persistent Organic Pollutants (Amendment) (EU Exit) Regulations 2020 (SI 2020 No. 1355).
Directive 2011/65/EU (RoHS II)	Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment — compliant. Applies within EU member states.
Directive (EU) 2015/863 (RoHS III)	Amending Directive 2011/65/EU to add four phthalates (DEHP, BBP, DBP, DIBP) to Annex II — compliant.
UK SI 2012 No. 3032	The Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment Regulations 2012 (UK RoHS) — compliant for Great Britain. Retained EU law, as amended by the Product Safety and Metrology (Amendment etc.) (EU Exit) Regulations 2019.

Product Drawing



Part Number Table

Part Number	Description
579-110-DIS	Elevate Cold Aisle Containment Monitoring Display Screen, 10.1"