

TECHNICAL SPECIFICATIONS

ADT - OD430-PC

43" Outdoor Display



OVERVIEW

A full 43" FHD outdoor display product for use in Kiosks and outdoor street fixtures. This unit has full thermal management system and is suitable to work in direct sunlight.

With a built in ambient light sensor, the backlight adjustment can be maintained on the device without any smart management or programming. The screen also comes with an optional 4" embedded PC with 4G connectivity, running the Intel Atom J1900 Quad Core 2.0GHz CPU, it can easily run your content hassle-free.

This supports a mPCIe expansion slot for a 4G module to configure your content & configuration remotely.

KEY FEATURES

- IP 66 Full Outdoor Rated Enclosure
- Available with Tempered Glass
- High brightness at 2500 cd/m² ideal for outdoor solutions
- Available with embedded PC & 4G connectivity upon request

43" OUTDOOR DISPLAY

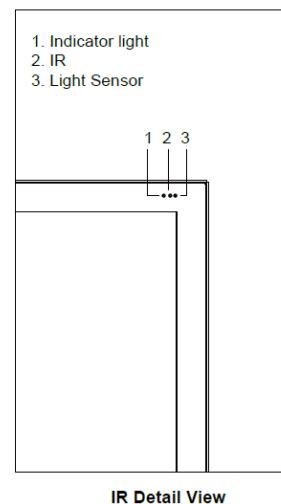
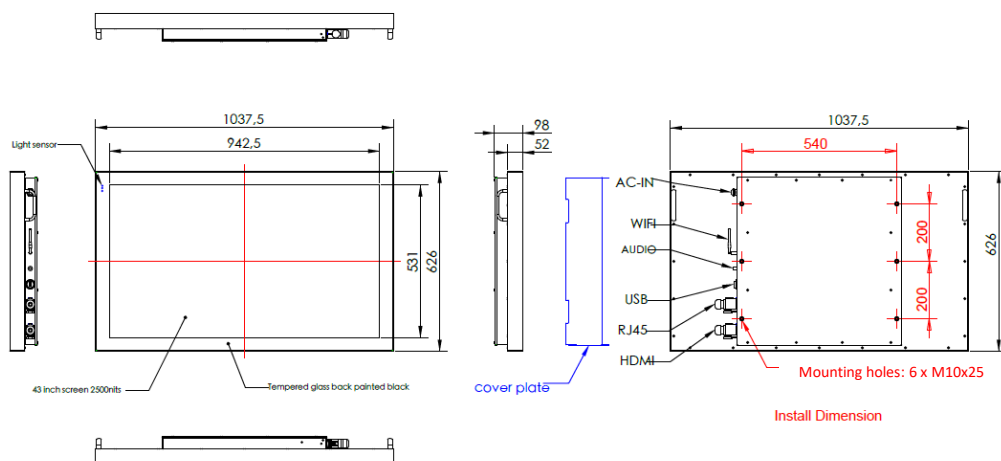
Panel	
Active Display Area	Diagonal : 43"-Absolute: 940.896 x 529.254mm
Backlight	Direct LED
Resolution	1920 x 1080
Pixel Pitch	0.50 mm (Horizontal) x 0.50 mm (Vertical)
Brightness	2500 cd/m ²
Contrast Ratio	4000 : 1
Viewing Angle	178° (Horizontal) / 178° (Vertical) with CR ≥ 10
Display Colours	16.7 M

Connectivity	
Video	Via internal PC
Power Consumption	210 W (Maximum)
Power Input	110 ~ 220 VAC, 50-60Hz
External Controls	None

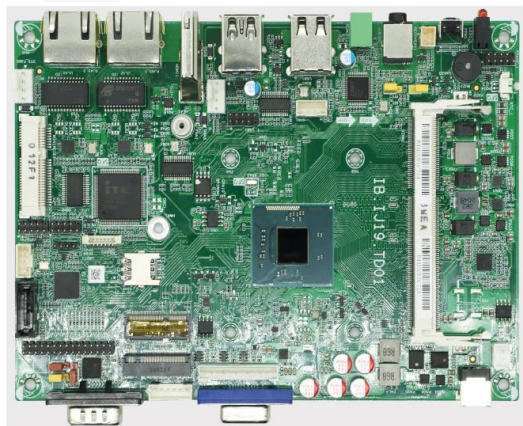
Mechanical Structure	
Dimensions	1037.5 mm (Width) x 626 mm (Height) x 98 mm (Depth)
Weight	~ 35kg
Protective Glass	Tempered Glass, back painted pantone black C – IK08 rated
Finish	Zinc power coating + fine grain powder coating
Operating Temperature	Operating : -20°C to +45°C (Full Sunlight Conditions)
Operating Humidity	5% ~ 98%
Operating Altitude	≤ 2000m

Other Features	
Front Bezel	48.302 mm
IP Class	IP66 (Full Outdoor)
Embedded PC	Optional upon Request (see page 3)
Certification	CE, UL, FCC Class B
Accessories	Contact ADT for available details

Dimension Drawing (mm)



Industrial Intel J1900 4" Motherboard



KEY FEATURES

- Intel Atom J1900 Quad Core 2.0GHz CPU
- DDR3L SODIMM 1600/1333MHz up to 8GB
- M.2, mSATA, SATA interfaces
- mPCIe slot
- VGA, HDMI, LVDS/eDP display
- I/O – 2 x RJ45, 6 x USB, 4 x COM
- 12V DC power input

System	
Processor	Intel Bay Trail Celeron J1900 CPU (2.0GHz)
Memory	1 x DDR3L 1333/1666 SO-DIMM slot – up to 8GB
BIOS	AMI 128Mbit SPI Flash
OS	Windows 7 32/64bit, Windows 10 64bit, Linux
Watchdog	System reset, programmable 255 levels timer interval from 1~255 sec/min
Internal	
Expansion	1 x M.2 2242 slot (supports SATA 2.0) 1 x M2 2230 2230 for Wi-Fi 1 x mPCIe (mSATA/USB/PCIe)
COM	2 x COM (RS232) 9-pin header 1 x UART (TX/RX)
USB	2 x USB 2.0 header
SATA	1 x SATA 2.0
I2C	1 x I2C
FAN	1 x CPU fan, 1 x system fan
LCD inverter power	1 x LCD inverter power, default 5v, support 12v
LVDS	1 x LVDS, max resolution up to 1920 x 1200
SIM	1 x SIM card slot
Front Panel	1 x front panel (on/off, reset, power/HDD LED)
Speaker	1 x speaker header, support 4Ω5W
OS Recover	1 x OS recover connector

Rear I/O	
Ethernet	2 x RJ45, Intel I211 + Realtek RTL8111H
Display	1 x VGA: max resolution up to 2560 x 1600 1 x HDMI: max resolution up to 1920 x 1200
Audio	1 x audio (line out + mic in)
Remote	1 x Remote SW
LED	1 x Power LED – 1 x HDD LED
USB	1 x USB 3.0: 3 x USB 2.0
Power Button	1 x power button
Power Input	1 x DC jack
COM	1 x COM (RS232/422/485, by BIOS setting)
Power	
Power	12V DC in
Environmental	
Operational Temperature	0°C to +60°C
Storage Temperature	-40°C to +85°C
Operational Humidity	60°C @ 95% RH (non-condensing)
Storage Humidity	80°C @ 95% RH (non-condensing)
Dimensions	
Outline	165 x 115mm
PCB	1.6mm
Certifications	
Safety	CE, FCC, RoHS

I/O View

