

TECHNICAL SPECIFICATIONS

ADT-OD750-i5-10210U

75" Outdoor Display with Windows PC



OVERVIEW

Advanced Display Technology is a bespoke display manufacturer working to deliver high quality, reliable, cost competitive products widely used across a range of market segments such as Retail, DOOH, QSR and Transport.

Our displays include PCAP touch screens with optional built in PC's, open frame designs and our larger range from 32" upwards to 65" offer slot-in OPS functionality.

Working with integrators to design products that fit practically into many environments ensure our displays are fit for purpose, supporting 24/7 use with a UK based warranty.

We are committed to delivering and designing market leading displays and use highly accredited manufacturing facilities with the minimum of the following accreditation's ISO9001, CE, FCC and ROHS.

KEY FEATURES

- IP 66 Full Outdoor Rated Enclosure
- Available with Tempered Glass
- High brightness at 2500 cd/m² ideal for outdoor solutions
- Built in Windows 10 Pro PC
- Intel i5-10210U CPU
- 8GB DDR4 RAM @ 2666MHz

75" OUTDOOR DISPLAY WITH WINDOWS PC

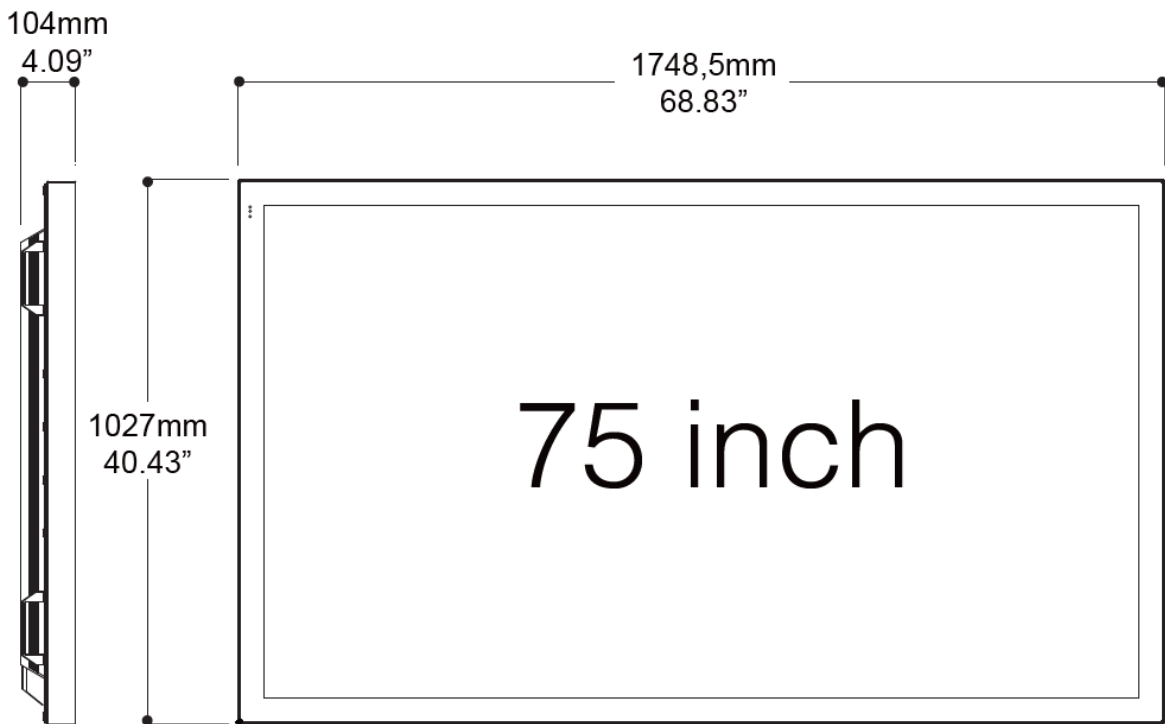
Panel	
Active Display Area	1650 x 928 mm
Backlight	Direct LED
Resolution	1920 x 1080
Brightness	2500 cd/m²
Contrast Ratio	4000 : 1
Viewing Angle	178/178
Display Colours	16.7 M
Brightness Control	Automatic ambient light sensor

Mechanical Structure	
Dimensions	1748.5 mm (Width) x 1027 mm (Height) x 104 mm (Depth)
Weight	137kg
Protective Glass	Tempered Glass, back painted pantone black C – IK08 rated
Finish	Galvanized steel + zinc powder coating + ne grain powder triple coating
Operating Temperature	Operating : -20°C to +50°C (Full Sunlight Conditions)
Operating Humidity	5% ~ 98%
Power Consumption	543 watts (peak)
IP Class	IP66 (Full Outdoor)

Inputs and Outputs	
Video Input	1 x HDMI
Audio Output	3.5mm audio jack
USB	USB 2.0
External Controls	Remote control
Others	VGA, RS232, RJ45

Built in Windows PC	
CPU	Intel i5 10210U @ 1.60GHz (Turbo @ 4.20GHz)
CPU TDP	15 W
DRAM	8GB DDR4 @ 2666MHz
Windows OS	Windows 10 Pro 64bit
Power	10 – 24 vDC

Dimension Drawing (mm)



WINDOWS PC SPECIFICATIONS

Specification	
Product type	Embedded industrial motherboard
CPU	On board Intel 10th generation i5-10210U
Chipset	Intel CML-U SOC
Memory	1 x DDR4 SO-DIMM 8GB 2666MHz (up to 16GB supports)
Display Controller	Intel integrated UHD graphics
Storage	Support 1 x SATA3.0+PWR 4pin – 1 x mSATA
Audio	F_AUDIO1, 2x5pin, 2.0mm, 1 x SPK_OUT, 1x4pin 2.0mm
Brightness Control	Automatic ambient light sensor

Mechanical	
Power	Support 10~24V DC wide voltage input 2 pin , VH3.96 port with DC Jack tieline Supply 4pin 2.54mm +12V fans port
Operating Temperature	0°C to +60°C
Operating Humidity	10% - 90% no condensation
PCB Dimensions	168 x 124 mm
Others	VGA, RS232, RJ45

Inputs & Outputs	
Display	3 x display port, HDMI+LVDS OR eDP(Select Jumper) VGA (Pin is optional) HDMI 1.4 max resolution up to 4096*2160@24Hz LVDS, Dual Channel 24bit, max resolution up to 1920*1200@60 eDP, max resolution up to 4096*2160@60Hz with 6pin 2.0mm Inverter port, 2pin 2.0mm power port
Network	2 x Intel i211AT RJ45 dual intel gigabit ports
USB	4 x USB 3.0 on side – 2 x USB2.0 pins onboard
Serial Ports	COM1, COM2 support RS232/422/485 (BIOS setting) COM3, COM4 support TTL signal integration MIX-IO bus COM5 support RS232/TTL TTL, 2x5pin 90 2.0mm COM6 support RS232, 2x5pin, 90°, 2.0mm
Digital I/O	1 x 8-bit GPIO Wafer port, supports +5V power support
Expansion Slots	1 x Mini-PCIE (with SIM card slot ,support 4G module) 1 x user defined MIX-IO bus integrate GPIO/2xUart/3xUSB2.0/PS2/PCIE1/SW/LPC/Smbus

