



AVNET[®]
EMBEDDED

SIMPLE PLUS OPEN FRAME

GEO-550R10B500C1200-I-MWVM-PG080-G

avnet.com/embedded

GEO-550R10B500C1200-I-MWVM-PG080-G

1 YEAR WARRANTY

55" OPEN FRAME

CERTIFICATIONS : CE , FCC

DESCRIPTION

Avnet Embedded Open Frame provides the answer, handling the entirety of the display design for you and building optimized solutions based on modular combinations of standard displays and TFT multi-touch assemblies. Delivered as a pre-assembled unit that incorporates the power supply, touch controller and other components, an Open Frame is built into a no-bezel metal housing for simple integration into your solution. All-in-one computers are a variation on this approach that add the processor, memory and other components to create a full system. Both allow for flexible mounting options to support an open-ended variety of implementations.



Advantages

Six capabilities of Avnet integrated Open Frames and AIO that mean successful solution development

Compatibility and Ease of Integration



- Integrate with multiple generations and standards of equipment
- Implement in environments with space, thermal and other constraints
- Customize easily for individual solution requirements

Optimized Human-Machine Interaction



- Tailor display to size, aspect ratio and resolution needed
- Control input without external devices such as keyboard or mouse
- Support use by operators with gloved hands

Rugged Durability and Longevity



- Offer dependability of low failure rate and long lifespan
- Operate in extremes of dust, heat, moisture, shock and vibration
- Protect displays against glare, scratches, fingerprints and vibration

Flexible Mounting and Customizability



- Specify options such as processor, video card and interfaces
- Mount in enclosure, on equipment, on panel or using VESA
- Meet constraints with fanless install and solid state storage

Long-Term Cost-Effectiveness



- Eliminate one-time-engineering costs to develop custom display
- Simplify ongoing maintenance with Avnet-engineered solution
- Scale system performance with upgradeability when needed

Low Power Consumption and Noise



- Tailor power/performance balance with broad choice of components
- Reduce operating noise by eliminating exhaust fans
- Avoid pulling in dust and contaminants with passive cooling designs

Technical Data

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- ◆ The device adopts the front door opening mode, which is convenient to maintain the internal display screen, glass, heat dissipation components and electronic parts.
- ◆ The device adopts highly integrated modular design, standardized electrical design, clear working state, and fast maintenance.
- ◆ Ultra long service life, 7 * 24 hours of uninterrupted work, up to more than 50000 hours.
- ◆ IP65 waterproof grade, all outdoor metal baking paint, moisture-proof, UV resistant, oxidation-resistant.
- ◆ With high brightness industrial LED backlight, the brightness can reach 2500cd / m², plus 6mm ultra white high transparent explosion-proof toughened glass, the image is clear and visible under strong light.
- ◆ Intelligent and precise temperature control system is adopted, which not only heats and saves energy, but also does not affect the display effect.
- ◆ Automatic environmental light sensing, high temperature protection, lightning protection, leakage protection, over-voltage and overload protection, waterproof and anti-theft protection.

Technical Data

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Panel Data	
Panel Size	55"
Display Ratio	16:9
Resolution	3840(RGB)×2160 UHD 80PPI
Color	1.07B , 71% NTSC
Brightness (nits)	500cd/m ²
Contrast	1200:1
View Angle	89/ 89 / 89 / 89 degree
Backlight	WLED
Life (hrs)	50000hours
Panel Size	55"
Touch Screen	
Type	Capacitive touch screen
Touch points	10 points
Touch Screen Structure	Glass+Glass(G+G);
Cover glass	4mm Glass+Anti UV/IR SCA+4mm Glass+SENSOR;black
Input Method	Finger or Cap. Stylus
Bonding with TFT	Optical Bonding or Air Bonding
Control solution	EETI
Surface Hardness	>7H

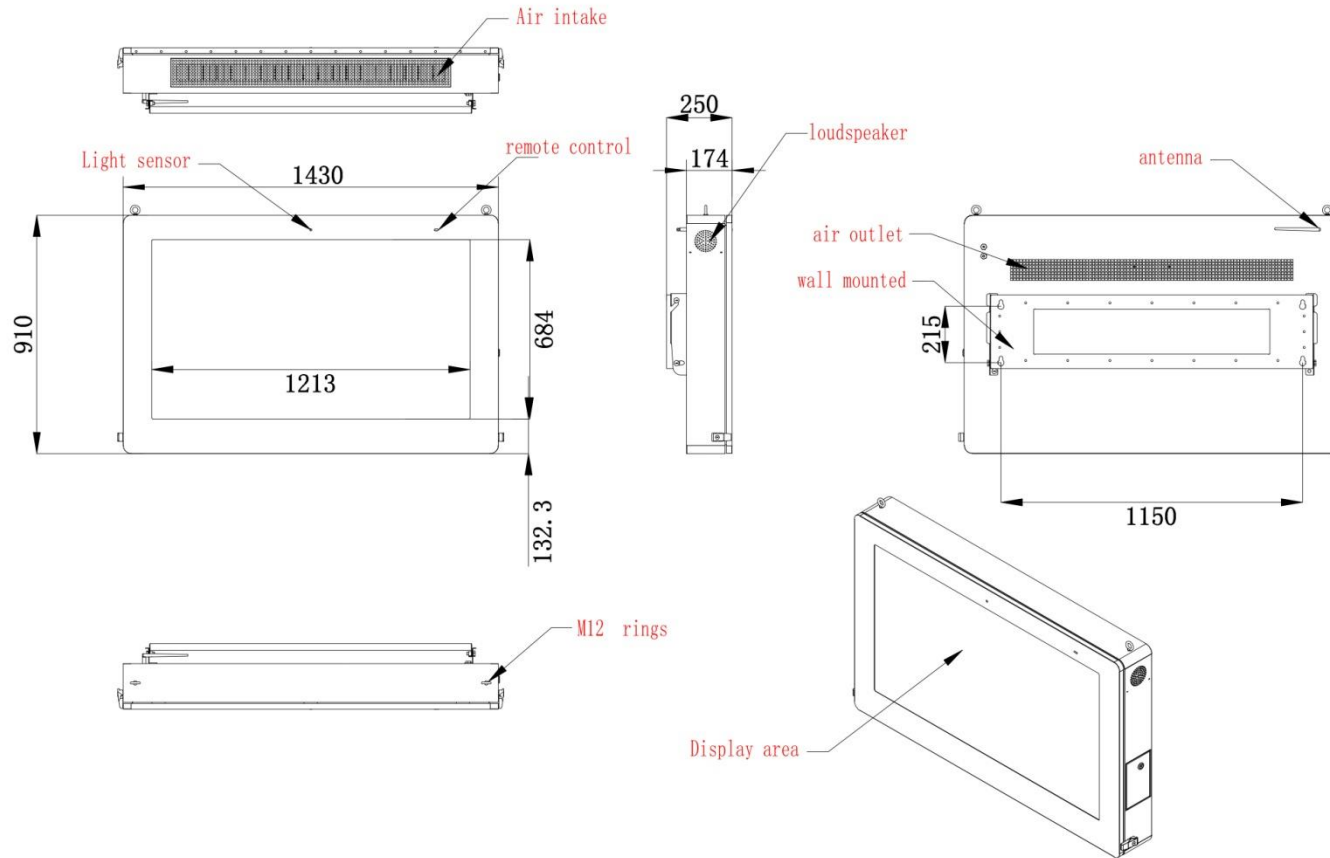
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Specification	
Material	Metal material
Installation	Wall mounted
Input	1*DP1.2a (Max. 3840x2160/60Hz)
	1*HDMI2.0 (Max. 3840x2160/60Hz)
	1*HDMI1.4 (Max. 3840x2160/30Hz)
Brightness control	photosensitive sensor
Power on / off control	Time controlled switch
Speaker	2*5W@8ohms, THDN<10%@1KHz
Language	English, Germany, French, Spanish, Russian and Others
Interface	2*HDMI/1*DP1.2a/USB*1(TOUCH)/1*USB
Power Supply	AC 110~240V 50/60Hz 40w-60W
Operating condition:	temperature:0-40 degrees Celsius ; Humidity:20-80%
Storage condition:	temperature: -20 to +60 degrees Celsius; Humidity: 20%-80%
IP grade	IP65 front
Certificate	CE/ROHS/FCC

SIZE

55inch outdoor



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