



AVNET<sup>®</sup>  
EMBEDDED

## SIMPLE PLUS OPEN FRAME

GEO-215R9B250C3000-I-MBVM-PG030-G1

[avnet.com/embedded](https://avnet.com/embedded)

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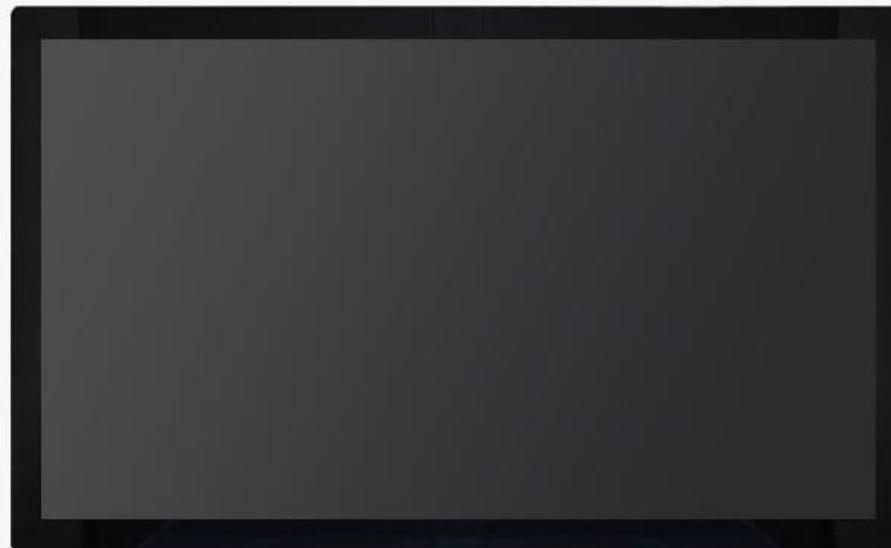
*1 YEAR WARRANTY*

21.5" 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

### GEO-215R9B250C3000-I-MBVM-PG030-G1

Panel Data	
Panel Size	21.5"
Display Ratio	16:9
Resolution	1920 (H) x 1080 (V)/60 Hz
Color	16.7 Million colors
Brightness (nits)	250cd/m <sup>2</sup>
Contrast	3000:1
View Angle	89/ 89 / 89 / 89 degree
Response Time	5(ms)
Backlight	LED
Life (hrs)	50000hours
Touch Screen	
Type	Capacitive touch screen
Touch points	10 points
Touch Screen Structure	Glass+Glass(G+G);
Cover glass	3mm;black or white
Input Method	Finger or Cap. Stylus
Surface Hardness	7H

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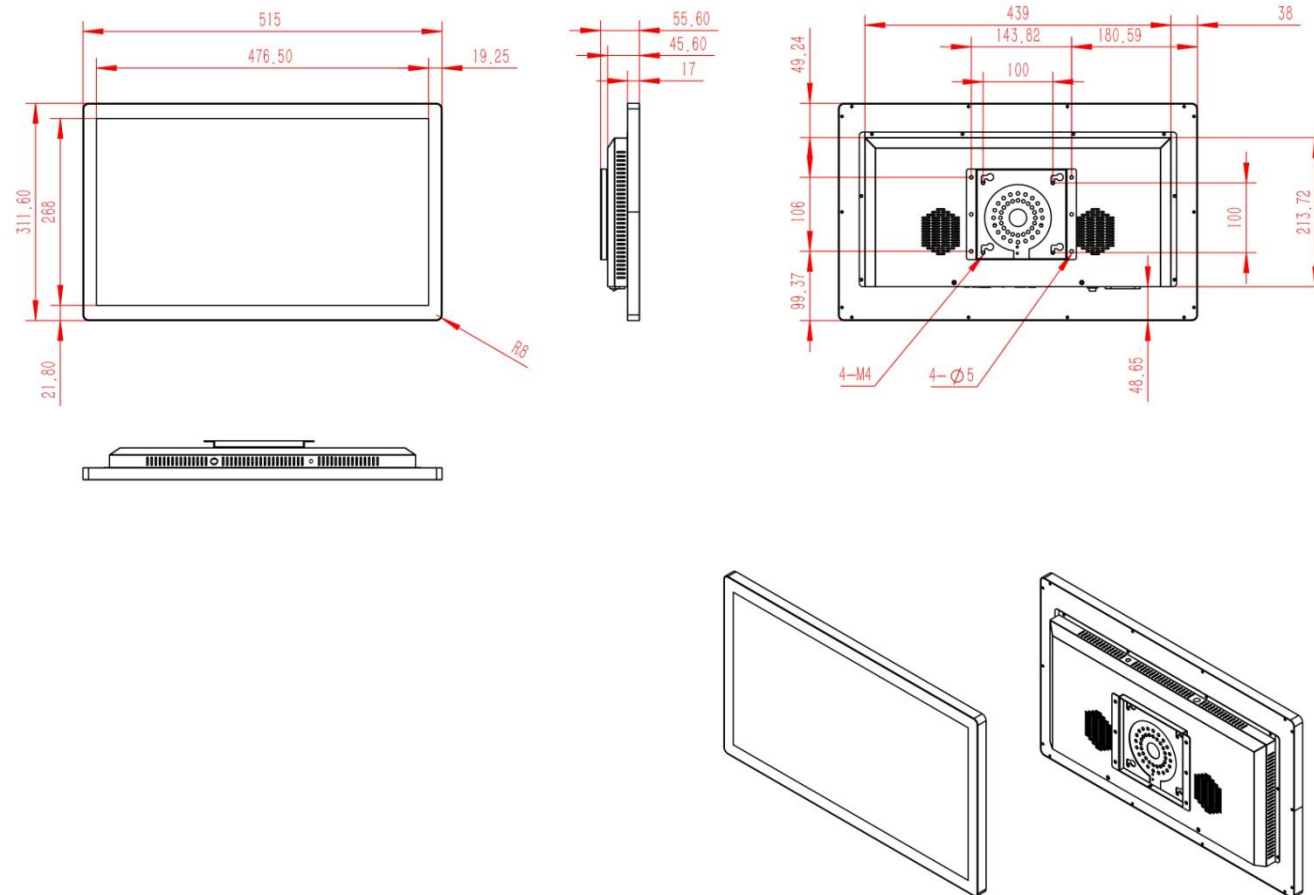
Specification	
Material	Metal material
AUDIO	100Hz~15KHz @ 3dB (1KHz, 0dB reference signal)
HDMI Input	480i, 480p, 576i, 576p, 720p, 1080i, 1080p
VGA Input	Standard VGA (15 pin D-SUB RGB) input
Earphone Input	Support
Speaker	2×1W(8Ω) THD+N<10%@1KHz
Remote control	Infrared remote control
Language	multi language
Interface	HDMI/VGA/DVI/DC in/USB (touch)
Power Supply	AC 110~220V Reserved 12V power input (not available) Standby Power Consumption < 0.5W(Board Only)
Installation	VESA
Operating condition:	Temperature:0-50 degrees Celsius ; Humidity:20-80%
Storage condition:	Temperature: -10 to +60 degrees Celsius; Humidity: 20%-80%
Certificate	CE/FCC/ROHS

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# SIZE



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