



AVNET<sup>®</sup>  
EMBEDDED

## SIMPLE PLUS OPEN FRAME

GEO-215R9B250C3000-I-MBVM-PG030-G4

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

**GEO-215R9B250C3000-I-MBVM-PG030-G4**

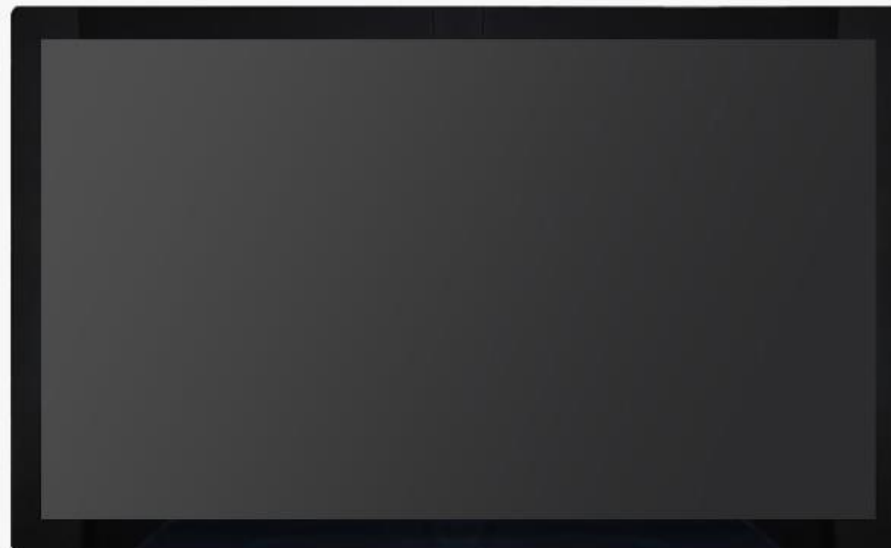
*1 YEAR WARRANTY*

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-G4

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	WLED
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

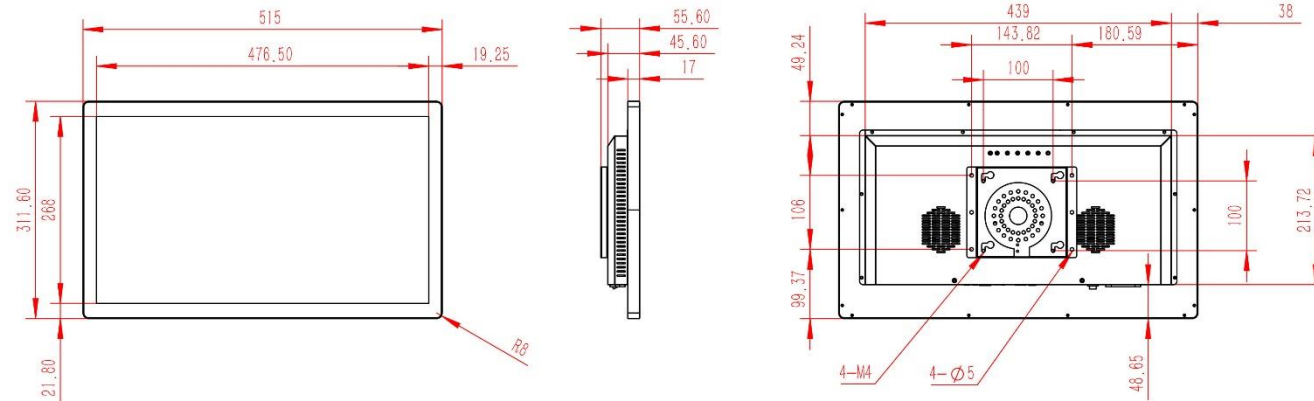
Material	Metal material
HDMI Input/DP input	MAX:2560x1600
VGA Input	Standard VGA (15 pin D-SUB RGB) input; MAX:2560x1600
Speaker	2×2W(8Ω)
OSD	POWER/LEFT/RIGHT/MENU/EXIT
Language	Multi language
Interface	HDMI/VGA/DP/USB A (touch)
Power Supply	DC 12V (default); can support 8V ~ 25V input
Installation	Mounted
IP grade	IP65(FRONT)
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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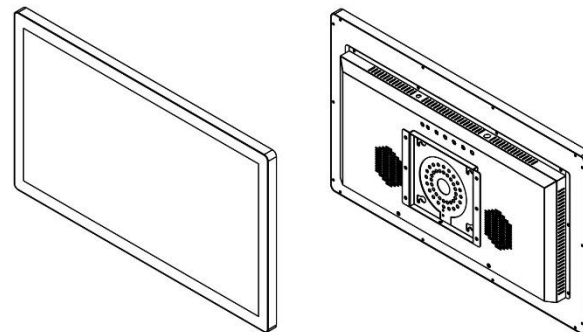
**AVNET®**  
EMBEDDED



# SIZE



21.5inch 1920 (RGB) × 1080 [FHD]



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