



AVNET<sup>®</sup>  
EMBEDDED

## SIMPLE PLUS OPEN FRAME

GEO-133R9B250C800-I-PBVM-PG018-G

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

**GEO-133R9B250C800-I-PBVM-PG018-G**

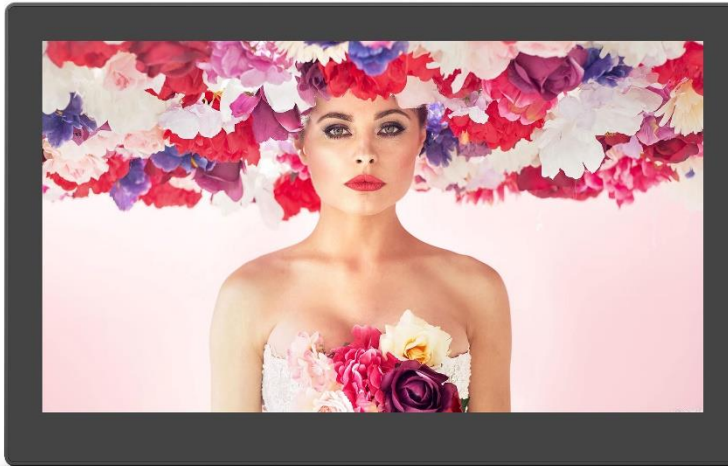
*1 YEAR WARRANTY*

13.3" 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-133R9B250C800-I-PBVM-PG018-G

Panel Data	
Panel Size	13.3"
Display Ratio	16:9
Resolution	1920*1080
Panel type	a-Si TFT-LCD
Color	16.7M
Brightness (nits)	250cd/m2 with P-Cap 230nits(Center brightness)
Contrast	800:1
View Angle	85/85/85/85 (Typ.)
Backlight	WLED
Life (hrs)	30000hours
Touch Screen	
Type	Capacitive touch screen
Touch points	10points
Touch Screen Structure	Glass+Glass(G+G);
Cover glass	1.8mm;black
Input Method	Finger or Cap. Stylus
Bonding	SCA
Drive mothed	USB2.0

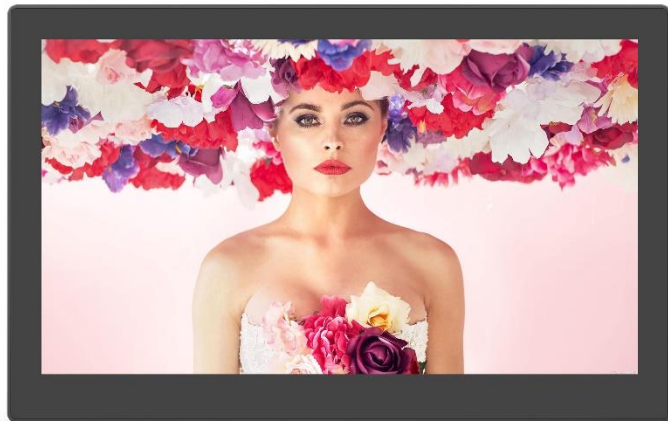
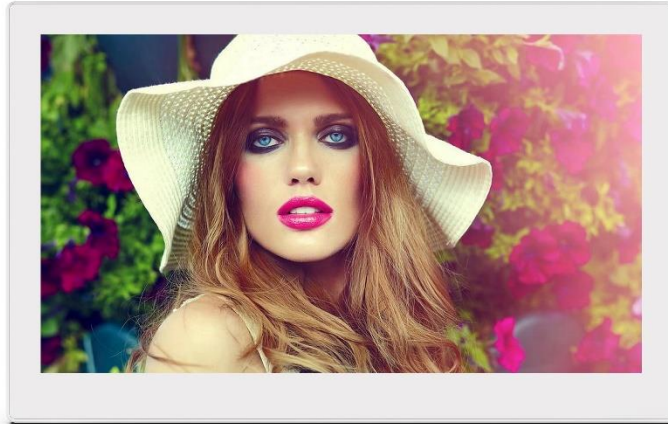
## Technical Data

### GEO-133R9B250C800-I-PBVM-PG018-G

Specification	
Material	Plastic material
Installation	VESA(75x75mm)
Speaker	8Ω2W*2
Interface	1*HDMI;1*USB(TOUCH);1*SD card slot;1*DC-IN
Language	Multi lingual
Power Supply	DC12V 3A
Video input	HDMI 1.4 Support MPEG1、MPEG2、MPEG4、H.264、WMV、TS、MP4 etc.
Audio output	MP3
Picture format	Support JPEG、BMP etc.
Power consumption	≤ 5W
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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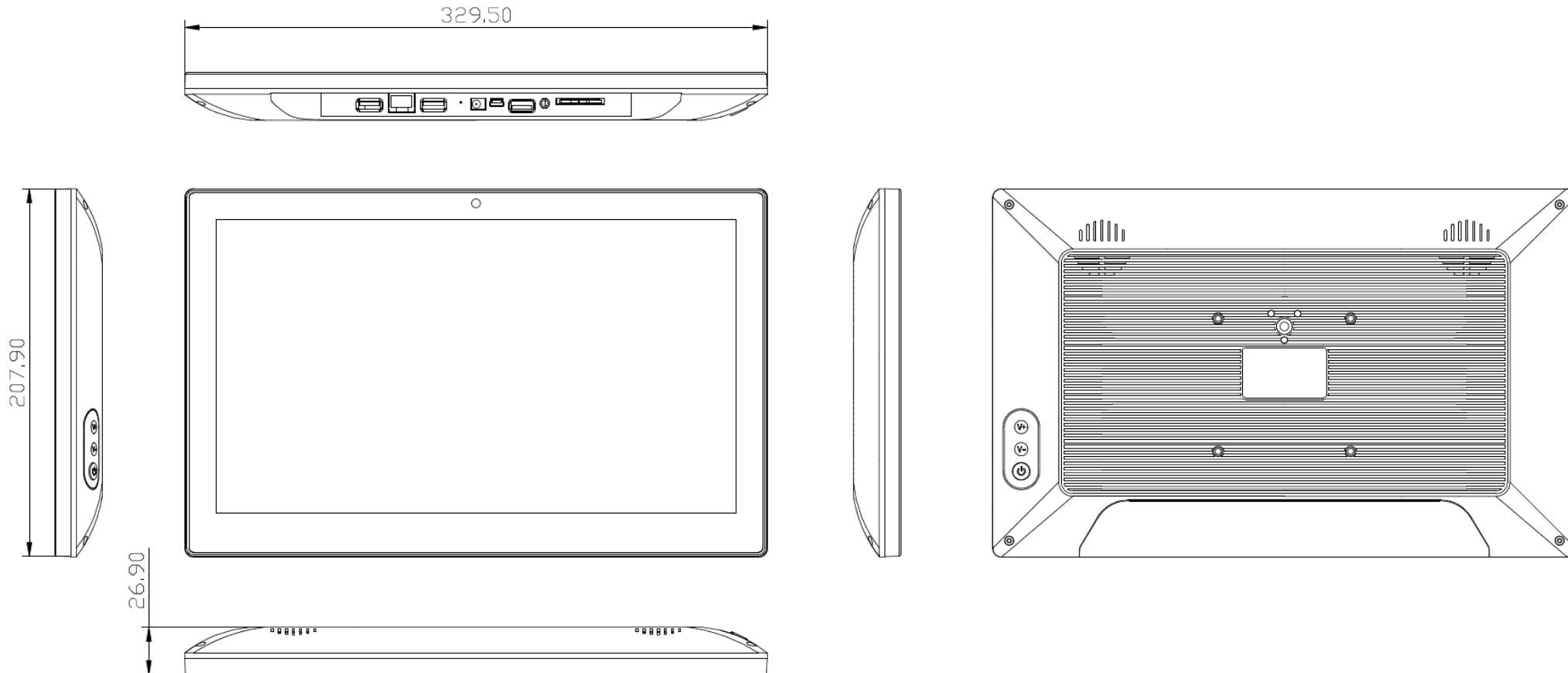
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# SIZE

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