



AVNET<sup>®</sup>  
EMBEDDED

## SIMPLE PLUS OPEN FRAME

GEO-185R7B500C1000-I-PBVM-PG020-G

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

**GEO-185R7B500C1000-I-PBVM-PG020-G**

*1 YEAR WARRANTY*

**18.5" 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-185R7B500C1000-I-PBVM-PG020-G

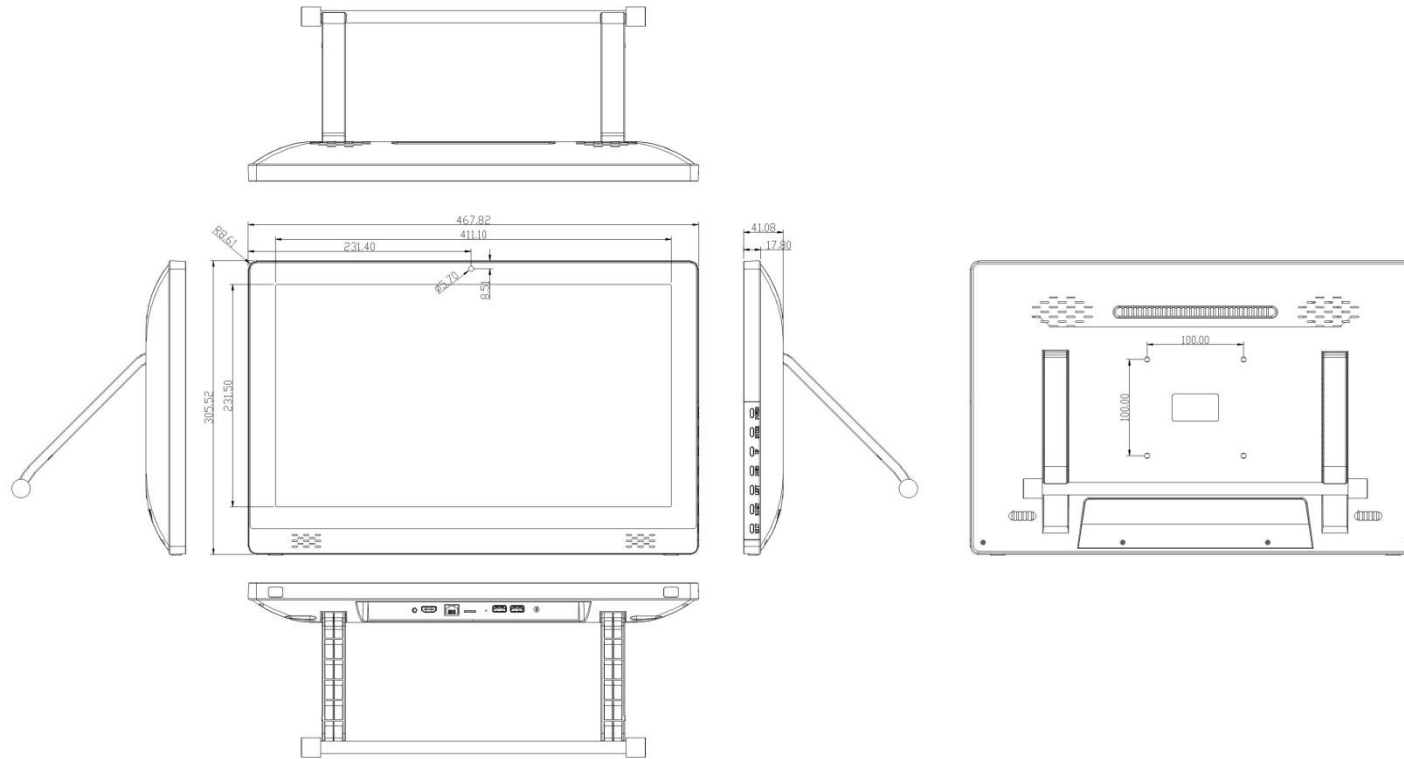
Panel Data	
Panel Size	18.5"
Display Ratio	16"9
Resolution	1366(RGB)×768 WXGA 84PPI
Color	16.7M , 99% sRGB
Working mode	ADS, transmission
Brightness (nits)	500 cd/m <sup>2</sup> (Typ.)
Contrast	1000:1
View Angle	89/89/89/89 (Typ.)(CR≥10)
Response Time	14 (Typ.)(G to G) ms
Backlight	WLED [6S4P]
Life (hrs)	50000hours
Touch Screen	
Type	Capacitive touch screen
Touch points	10 points
Touch Screen Structure	Glass+Glass(G+G);
Cover glass	2mm;black or white
Input Method	Finger or Cap. Stylus
Bonding	SCA
Surface Hardness	7H

## Technical Data

### GEO-185R7B500C1000-I-PBVM-PG020-G

Specification	
Material	Metal material--aluminum
Installation	wall mounted, desktop
HDMI Input	HDMI MAX:1920×1200
OSD	POWER/ENTER/UP/DOWN/LEFT/RIGHT/EXIT
Speaker	8Ω1.5W*2
Standby power	<0.8W
Interface	1*HDMI;1*SD Card slot ; 1*USB(for touch)
Menu Language	Multilingual
Power Supply	DC12V
Operating condition:	Temperature:0 to +50 degrees Celsius ; Humidity:10-90%
Storage condition:	Temperature: -20 to +60 degrees Celsius; Humidity: 10%-90%

# SIZE



**Avnet Embedded**  
MSC Technologies GmbH  
Industriestr. 16  
76297 Stutensee

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