



AVNET<sup>®</sup>  
EMBEDDED

## SIMPLE PLUS OPEN FRAME

GEO-156R9B500C1000-I-PBVM-PG018-G

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

**GEO-156R9B500C1000-I-PBVM-PG018-G**

15.6" OPEN FRAME

*1 YEAR WARRANTY*

*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-156R9B500C1000-I-PBVM-PG018-G

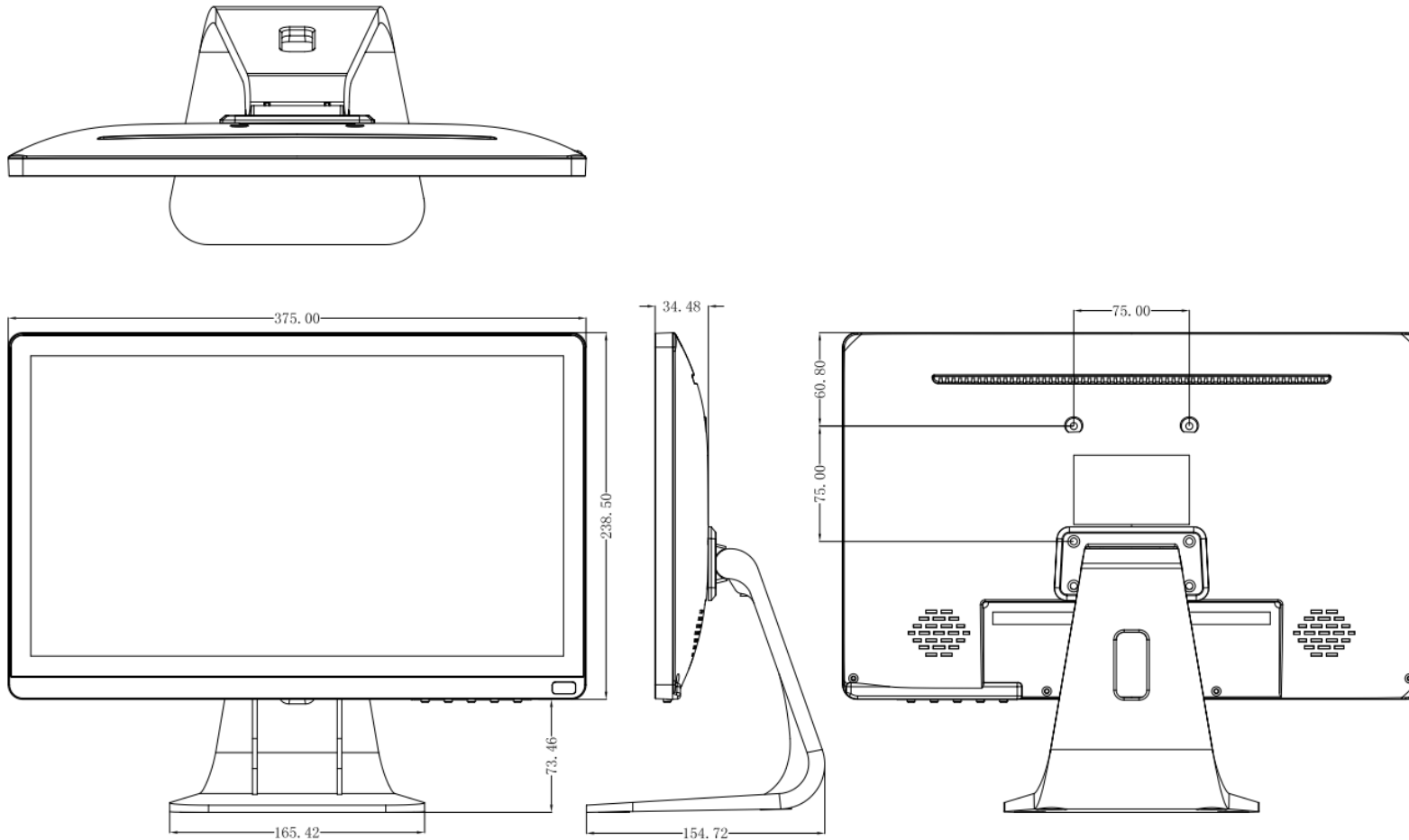
| Panel Data             |  |
|------------------------|--|
| Panel Size             | 15.6"  |
| Display Ratio          | 16:9   |
| Resolution             | 1920(RGB)×1080, FHD, 141PPI  |
| Panel type             | a-Si TFT-LCD IPS   |
| Color                  | 16.7M , 99% sRGB   |
| Brightness (nits)      | 500 cd/m <sup>2</sup> (Typ.)with P-cap 425 500 cd/m <sup>2</sup> (Center brightness) |
| Contrast               | 1000:1 (Typ.)  |
| View Angle             | 89/89/89/89 (Typ.)(CR≥10)  |
| Backlight              | WLED   |
| Life (hrs)             | 50K hours  |
| Touch Screen           |  |
| Type                   | Capacitive touch screen  |
| Touch points           | 10 points  |
| Touch Screen Structure | Glass+Glass(G+G); SIS solution   |
| Cover glass            | 1.8mm;black  |
| Input Method           | Finger or Cap. Stylus  |
| Bonding with TFT       | Air bonding  |
| Hardness               | 6H   |

## Technical Data

### GEO-156R9B500C1000-I-PBVM-PG018-G

| Specification        |   |
|----------------------|---|
| Material             | plastic material RAL 7035                               |
| Installation         | Wall Mounted; desktop                                   |
| Speaker              | 8Ω2W*2  |
| Signal input         | HDMI 1.4 /DP 1.2  |
| Interface            | 1*HDMI;1*USB(TOUCH);1*DC-IN;1*DP                        |
| Menu Language        | Multilingual  |
| OSD                  | AUTO - + MENU POWER                                     |
| Power Supply         | DC12V   |
| Operating condition: | Temperature: -10 -60 degrees Celsius ; Humidity:10%-90% |
| Storage condition:   | Temperature: -10 +60 degrees Celsius; Humidity:10%-90%  |
| Certificate          | CE,FCC,ROHS   |

# SIZE



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