



AVNET[®]
EMBEDDED

SIMPLE PLUS OPEN FRAME

GEO-190R15B400C1000-I-MBVM-PG020-G

avnet.com/embedded

GEO-190R15B400C1000-I-MBVM-PG020-G

1 YEAR WARRANTY

19" 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

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Panel Data	
Panel Size	19"
Display Ratio	4:3
Resolution	1280x1024
Color	16.7M , 73% NTSC
Brightness (nits)	400 cd/m ² (Typ.)
Contrast	1000:1 (Typ.)
View Angle	160°/160°
Response Time	5ms
Backlight	LED
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 with TFT	Air
Front	IP65
Surface Hardness	6H

Technical Data

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Specification

Material	Alluminium Alloy
Installation	Desktop, wall mounted,etc
Power consumption (maximum)	<=55W
Interface	1*RJ45 (For touch) ; 1*HDMI ; 1*VGA; 1*DVI
Menu Language	Multilingual
Power Supply	DC12~24V
Operating condition:	Temperature -20 to +70 degrees Celsius ; Humidity:20-80%
Storage condition:	Temperature: -20 to +70 degrees Celsius; Humidity: 20-95%
certificate	CE;FCC;ROHS

SIMPLE PLUS OPEN FRAME

Feature



OSD, Power Button

Embedded Holes

Excellent Heat Dissipation Design

VESA Holes(75*75mm;100*100mm)



Interfaces

Support VGA,HDMI,DVI Automatic Identification Signal Channel



RJ45
Touch Input

HDMI

DVI

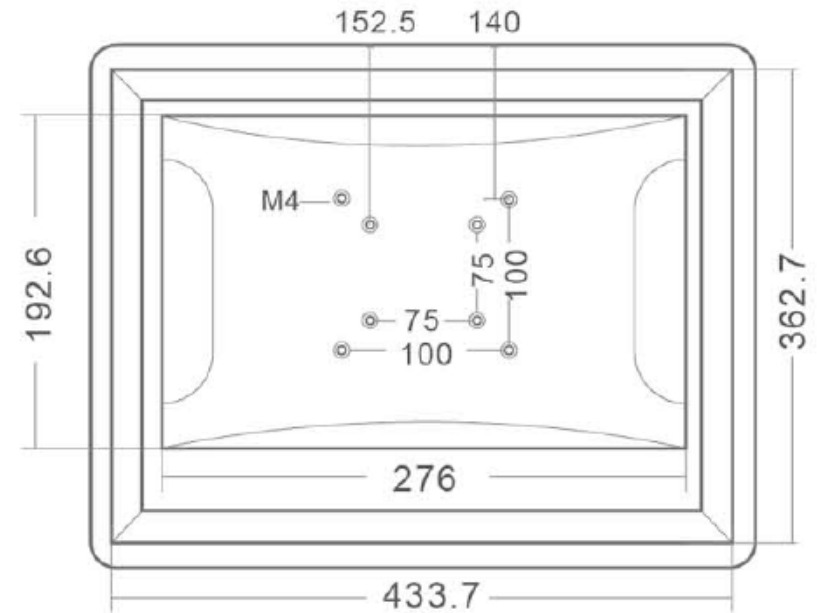
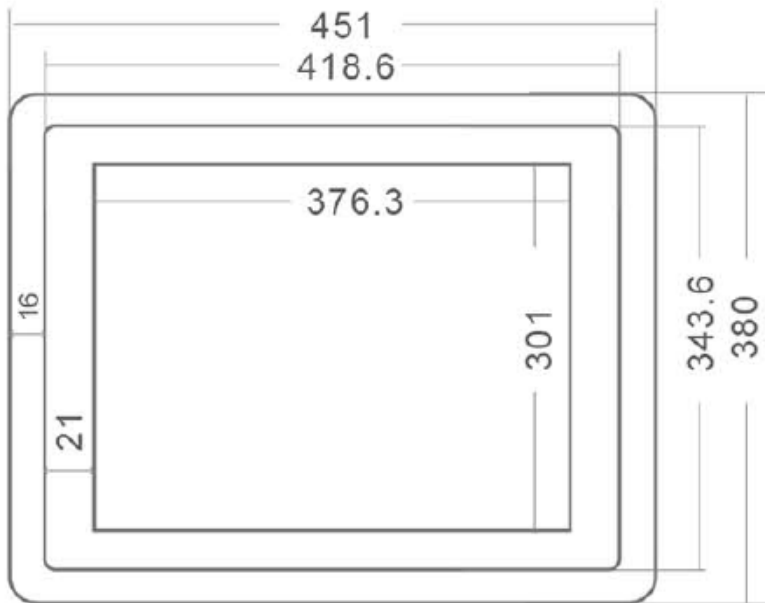
VGA

Audio I/O

Anti-drop DC

SIZE

Dimension



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