



AVNET[®]
EMBEDDED

SIMPLE PLUS OPEN FRAME

GEO-215R9B1200C1000-O-MBPM-PG060-G

avnet.com/embedded

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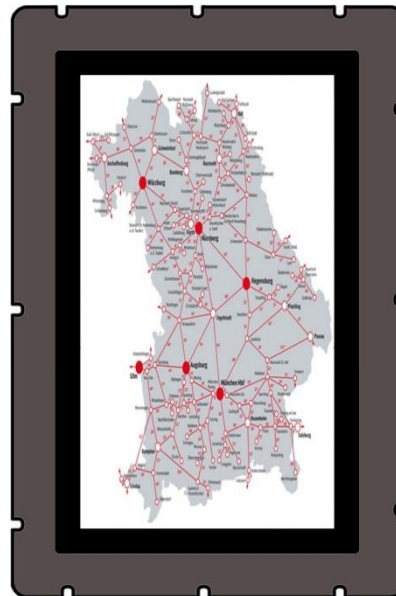
1 YEAR WARRANTY

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

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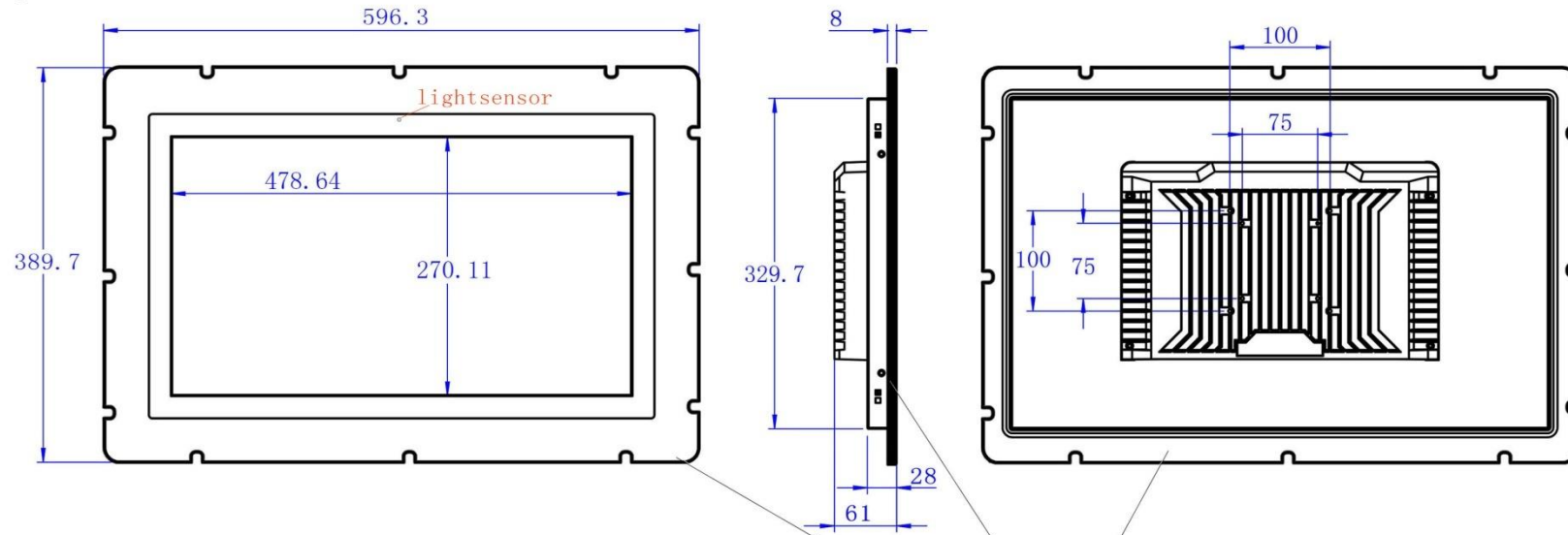
Panel Data	
Panel Size	21.5"
Display Ratio	16:9
Resolution	1920(RGB)×1080 FHD 102PPI
Color	16.7M
Working mode	ADS, transmission
Brightness (nits)	1200cd/m2
Contrast	1000:1 (Typ.)
View Angle	89/89/89/89 (Typ.)(CR≥10)
Response Time	14 (Typ.)(G to G) ms
Backlight	WLED
Life (hrs)	50000hours
Touch Screen	
Type	Capacitive touch screen
Touch points	10 points
Touch Screen Structure	Glass+Glass(G+G); EETI 84H5680 AR+AF
Cover glass	6mm;black
Input Method	Finger or Cap. Stylus
Touch Screen bonding	Anti UV+IR SCA
Bonding with TFT	Air bonding (optical bonding Optional)
Surface Hardness	7H

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Specification	
Material	Metal
Installation	wall mounted, side mounted, Embedded
HDMI Input	HDMI MAX:1920×1200
VGA Input	DVI MAX:1920×1200
Earphone Input	Support (option)
Speaker	8Ω1.5W*2 (option)
Standby power	<0.8W
Interface	1*HDMI;1*DVI;1*USB(for touch)
OSD	K1 (Source/EXIT) ; K2 (MENU) ; K3 (NC) ; K4 (Left) ; K5 (Right) ; K6 (Power)
Backlight control	Light sensor; DCC/CI
Menu Language	Multilingual
Power Supply	DC20V~30V
Waterproof grade	IP65 On front
Operating condition:	Temperature:-20 to +70 degrees Celsius ; Humidity:10-90%
Storage condition:	Temperature: -30 to +80 degrees Celsius; Humidity: 10%-90%

SIZE



Note: all metals are aluminum

8mm aluminum brick machining

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