AVNET®
EMBEDDED

SIMPLE PLUS OPEN FRAME
GEO-121R5B1000C1000-O-MBVM-PG018-G

avnet.com/embedded

SIMPLE PLUS OPEN FRAME

GEO-121R5B1000C1000-O-MBVM-PG018-G

10.1" OPEN FRAME

1 YEAR WARRANTY

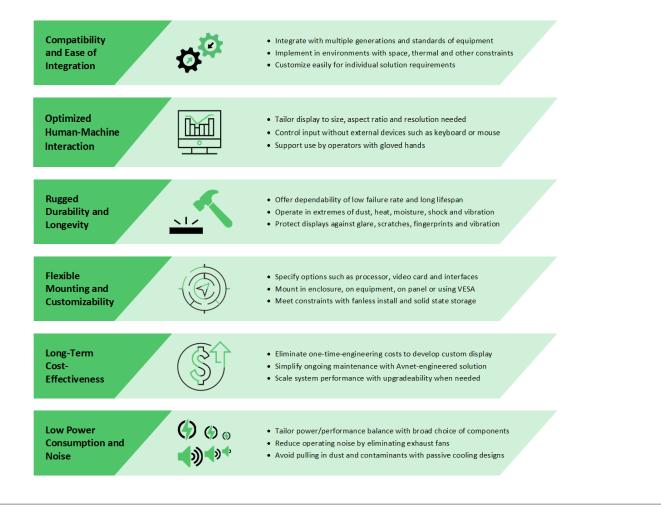*CERTIFICATIONS : CE , FCC*

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.

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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

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Technical Data
GEO-121R5B1000C1000-O-MBVM-PG018-G

Panel Data	
Panel Size	12.1"
Display Ratio	4:3
Resolution	1280(RGB)×800, WXGA 124PPI
Color	16.7M , 99% sRGB
Brightness (nits)	1000cd/m2
Contrast	1000:1
View Angle	89/89/89/89 (Typ.)(CR≥10)
Response Time	25 (Typ.)(Tr+Td) ms
Backlight	LED
Life (hrs)	50000hours
Touch Screen	
Type	Capacitive touch screen
Touch points	10 points
Touch Screen Structure	Glass+Glass(G+G);
Cover glass	1.8mm;black or white AR+AF
Input Method	Finger or Cap. Stylus
Response time	＜3ms
Bonding	optical liquid
Surface Hardness	6H

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Technical Data
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Specification	
Material	Matel material--aluminum(front)+sheet metal(back)
Installation	Embedded
Bonding	Bonding to TFT with OCA
Earphone Input	Support
Speaker	8Ω1W*2
Interface	1*HDMI;1*VGA;1*DVI;1*USB(for touch)
Menu Language	English, Germany, French, Spanish, Russian and Others
Power Supply	DC9~36V
Line frequency	30-80KHZ
Field frequency	56-75HZ
IP - class	IP65 FRONT
Operating condition:	Temperature:-20 to +70 degrees Celsius ; Humidity:10-90%
Storage condition:	Temperature: -30 to +80 degrees Celsius; Humidity: 10%-90%

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315.6

333

232.2

38

4

123.7

100

100

4-M4

8.7

214.8

50

15.4

Avnet Embedded
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12.1" Monitor

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