



AVNET[®]
EMBEDDED

SIMPLE PLUS OPEN FRAME

GEO-210R14B300C1000-I-MBVM-PG020-G

avnet.com/embedded

GEO-210R14B300C1000-I-MBVM-PG020-G

1 YEAR WARRANTY

21" 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-210R14B300C1000-I-MBVM-PG020-G

Panel Data	
Panel Size	21"(LTM210M2-L02)
Display Ratio	4:3
Resolution	1680 (H) x 1050 (V)/60 Hz
Color	16.7 Million colors
Brightness (nits)	300cd/m ²
Contrast	1000:1
View Angle	89/89/89/89degree
Response Time	16(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	2mm;black or white
Input Method	Finger or Cap. Stylus
Response time	<3ms
Bonding	optical liquid
Surface Hardness	6H

Technical Data

GEO-210R14B300C1000-I-MBVM-PG020-G

Specification	
Material	Metal
Installation	Embedded, wall mounted,
HDMI Input	Support 1024i HDMI
Speaker	8Ω1.5W*2
Interface	1*USB 2.0 (for touch) ; 1*HDMI ; 1*DC_IN
Menu Language	English, Germany, French, Spanish, Russian and Others
Power Supply	DC18~32V
Line frequency	30-80KHZ
field frequency	56-75HZ
Operating condition:	Temperature: -15 to +55 degrees Celsius ; Humidity:0%-100%
Storage condition:	Temperature: -25 to +70 degrees Celsius; Humidity: 0%-100%
certificate	CE;FCC;ROHS
IP degree	All IP65

AVNET[®]
EMBEDDED



Copyright © 2020 MSC Technologies GmbH. All data is for information purposes only and is subject to change without notice. No guarantee for legal purposes is implied. Information in this document has been carefully checked, however, no responsibility for inaccuracies has to be assumed. All brand or product names may be trademarks and property of their respective owners. w