

The background of the image shows two women in profile, facing each other and interacting with a large, vertical, open-frame touchscreen display. The display is illuminated with a blue light and shows a graphical user interface with various icons and text. The scene is set at night, with blurred city lights visible in the background.

# AVNET<sup>®</sup> INTEGRATED

## SIMPLE PLUS OPEN FRAME

GEO-070R3B250C800-I-MBVM-PG018-G24V

[avnet.com/integrated](https://avnet.com/integrated)

**GEO-070R3B250C800-I-MBVM-PG018-G24V**

*1 YEAR WARRANTY*

**7" 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-070R3B250C800-I-MBVM-PG018-G24V**

Panel Data	
Panel Size	7"
Display Ratio	16:10
Resolution	1024(H) x 600 (V)
Panel type	a-Si TFT, Transmissive, Normally white, TN
Color	16.7M
Brightness (nits)	250cd/m <sup>2</sup>
Contrast	800:1
View Angle	85/85/85 / 85/ (T/B/L/R) CR $\geq$ 10
Backlight	WLED
Life (hrs)	50000hours
Touch Screen	
Type	Capacitive touch screen
Touch points	5points
Touch Screen Structure	Glass+Glass(G+G);
Cover glass	1.8mm;black
Input Method	Finger or Cap. Stylus
Bonding with TFT	Air bonding
Hardness	6H

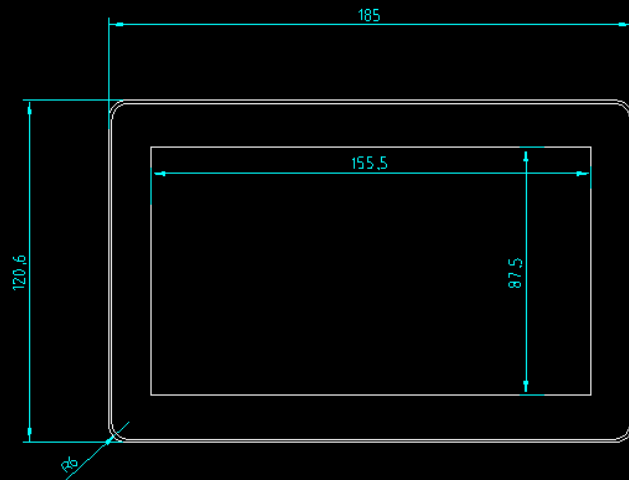
## Technical Data

### GEO-070R3B250C800-I-MBVM-PG018-G24V

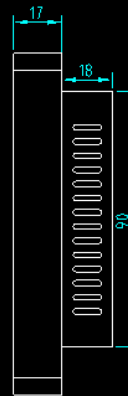
Specification	
Material	Metal material(black)
Installation	Wall Mounted
Speaker	8Ω1W*2
Interface	1*HDMI;1*USB(TOUCH);1*VGA;1*DC-IN
Menu Language	Simplified Chinese, Traditional Chinese, English, French, German, Italian, Spanish, Portuguese, Japanese, Korean (optional)
HDMI input	480i, 480p, 576i, 576p, 720p, 1080i, 1080p Up to 2048×1152@60Hz
VGA input	Standard VGA (15 pin D-SUB RGB) input
KEY FUNCTION	POWER,MENU,LEFT,RIGHT,EXIT
Power Supply	DC8~25V 3A
Operating condition:	temperature:-20-70 degrees Celsius ; Humidity:20-80%
Storage condition:	temperature: -20 to +70 degrees Celsius; Humidity: 20%-80%
Waterproof grade	IP65 on front(OPTIONAL)
Certificate	CE,FCC,ROHS

# SIZE

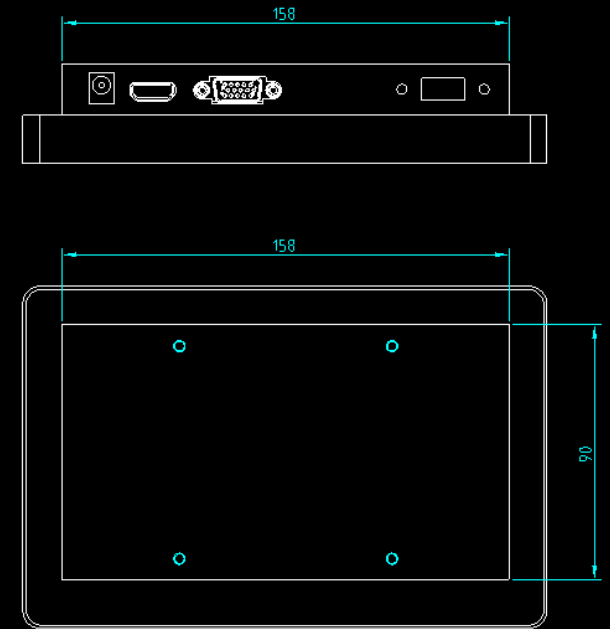
7inchVGA/HDMI PCAP Monitor 1024\*600  
Input:8~25Vdc



FRONT



SIDE



BACK