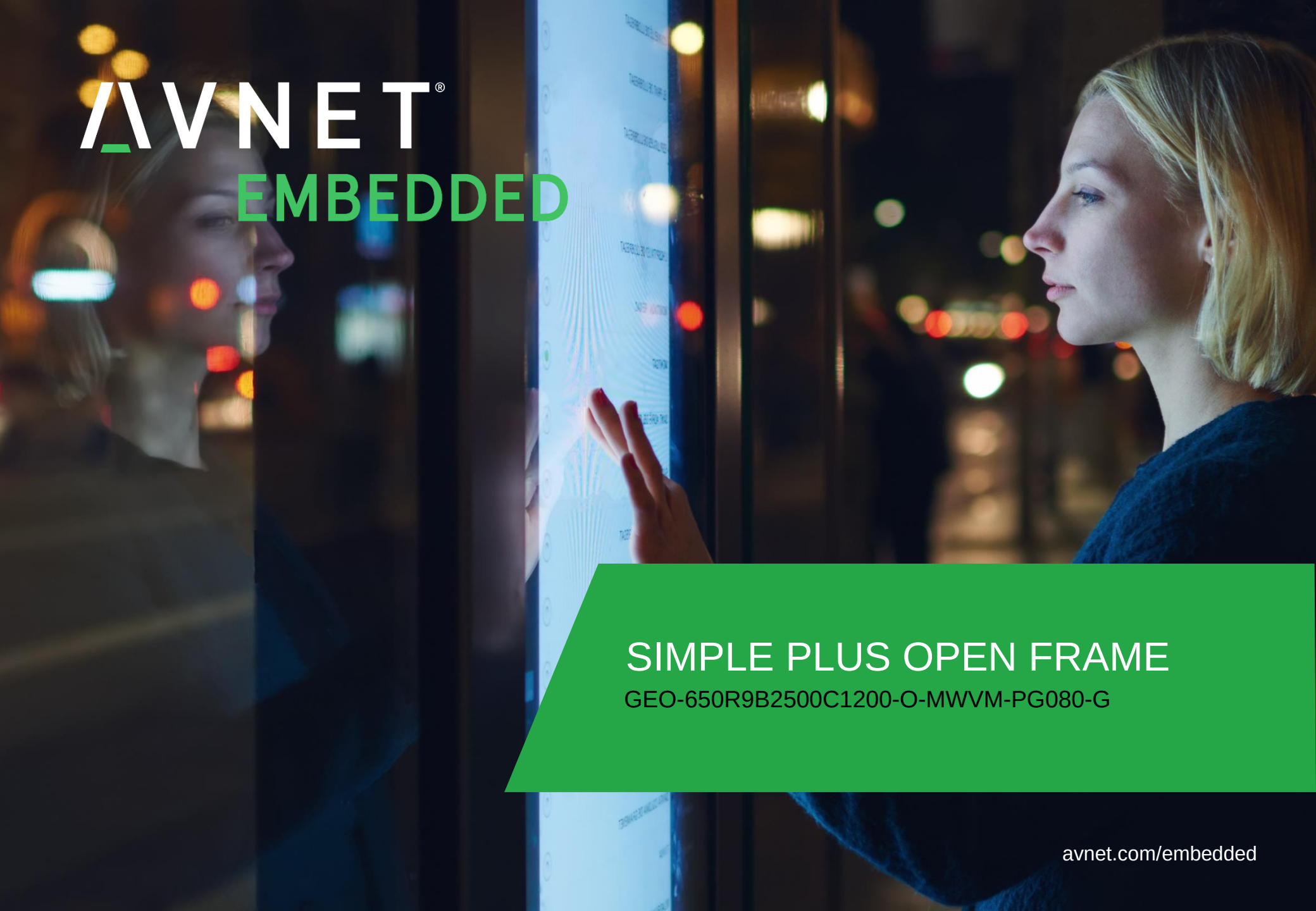

SIMPLE PLUS OPEN FRAME

GEO-650R9B2500C1200-O-MWVM-PG080-G

avnet.com/embedded

SIMPLE PLUS OPEN FRAME

GEO-650R9B2500C1200-O-MWVM-PG080-G

65“ 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.

SIMPLE PLUS OPEN FRAME

AVNET EMBEDDED

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

PRODUCT CHARACTERISTICS

Technical Data

GEO-650R9B2500C1200-O-MWVM-PG080-G

◆The device adopts the front door opening mode, which is convenient to maintain the internal display screen, glass, heat dissipation components and electronic parts.
◆The device adopts highly integrated modular design, standardized electrical design, clear working state, and fast maintenance.
◆ Ultra long service life, 7 * 24 hours of uninterrupted work, up to more than 50000 hours.
◆ IP65 waterproof grade, all outdoor metal baking paint, moisture-proof, UV resistant, oxidation-resistant.
◆ With high brightness industrial LED backlight, the brightness can reach 2500cd / ㎡, plus 6mm ultra white high transparent explosion-proof toughened glass, the image is clear and visible under strong light.
◆ Intelligent and precise temperature control system is adopted, which not only heats and saves energy, but also does not affect the display effect.
◆ Automatic environmental light sensing, high temperature protection, lightning protection, leakage protection, over-voltage and overload protection, waterproof and anti-theft protection.

SIMPLE PLUS OPEN FRAME

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Technical Data

GEO-650R9B2500C1200-O-MWVM-PG080-G

Panel Data	
Panel Size	65"
Display Ratio	16:9
Resolution	1920 (H) x 1080 (V)/60 Hz&3840(H) *2160(V)/60 Hz
Color	16.7 Million colors&1.07B colors
Brightness (nits)	2500cd/m^2
Contrast	1200:1
View Angle	89/89/89/89 (Typ.)(CR≥10)
Response Time	8(ms)
Backlight	WLED
Life (hrs)	50000hours
Touch Screen	
Type	Capacitive touch screen
Touch points	10 points
Touch Screen Structure	Glass+Glass(G+G);
Cover glass	4mm Glass+Anti UV/IR SCA+4mm Glass+SENSOR;black
Input Method	Finger or Cap. Stylus
Bonding with TFT	Optical Bonding
Control solution	EETI
Surface Hardness	＞7H

SIMPLE PLUS OPEN FRAME

AVNET EMBEDDED

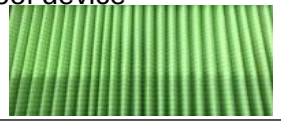
Technical Data

GEO-650R9B2500C1200-O-MWVM-PG080-G

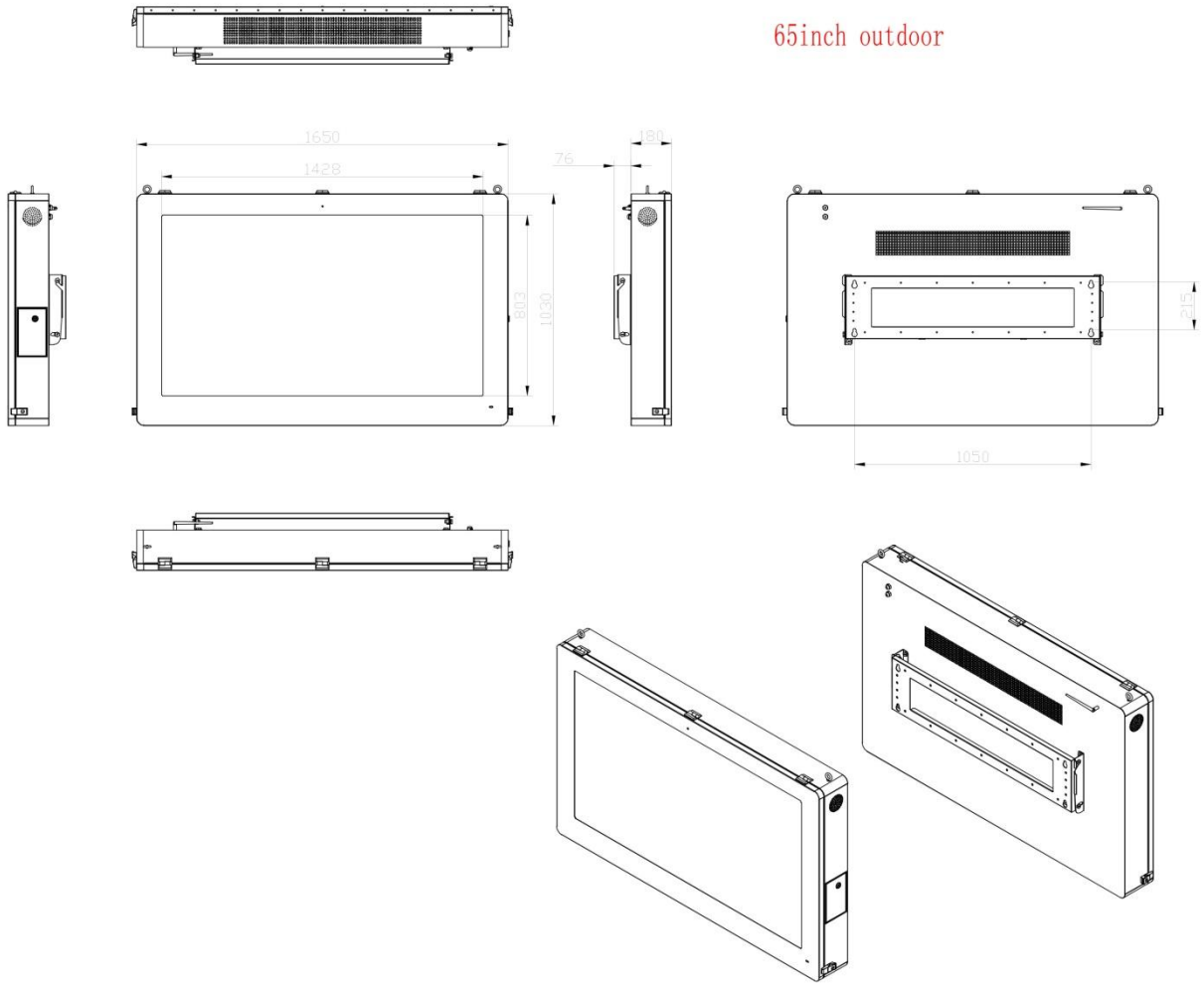
Specification(UHD)	
Material	Metal material
Installation	Stand
Input	1*DP1.2a（Max. 3840x2160/60Hz）
	1*HDMI2.0（Max. 3840x2160/60Hz）
	1*HDMI1.4（Max. 3840x2160/30Hz）
Speaker	MAX:2*8W@8ohms, THDN<10%@1KHz
Language	English, Germany, French, Spanish, Russian and Others
Remote control	Infrared remote control
Power Supply	AC 110~240V 50/60Hz
Operating condition:	Temperature: -20 to +50 degrees Celsius ; Humidity:5-90%
Storage condition:	Temperature: -20 to +60 degrees Celsius; Humidity: 10%-85%
Protection level	＞IK10
Protection grade:	IP65
Certificate	CE/ROHS/FCC

SPECIAL MODULES

AVNET EMBEDDED

Waterproof loudspeaker	8Ω 5W high-power loudspeaker is not afraid of water inflow, loud.
Time controlled switch	It is composed of a microcomputer chip as the core and an electronic circuit Power switch control. It can be preset daily or weekly 20 The on / off control of different times also has the functions of arbitrary cycle timing, keyboard locking, daylight saving time and 12 / 24-hour system conversion. A rechargeable NiMH battery is built in the machine as the standby power supply In case of disconnection from the power supply, the timing display and storage can still be maintained All data are over 9 months.
Lightning protection device	Outdoor photovoltaic power lightning protection module this surge protector is mainly used for lightning or other instantaneous over-voltage surge protection of photovoltaic power distribution system. The product has built-in overheating and over current protection function for high-voltage DC power supply, which can provide class C surge protection for photovoltaic power distribution system. The product adopts 35mm DIN rail installation mode. The module can be replaced independently, which is convenient for installation and maintenance. It has remote signaling alarm interface (dry contact) for remote monitoring of surge protector status.
Leakage protector	Safety against leakage
Temperature control	The built-in temperature sensing probe sensor equipment can effectively identify the temperature change in the machine, the temperature control display system, and the temperature change can be displayed on the PCB led. The intelligent control fan wind speed can be intelligently adjusted according to the temperature change, and the temperature control display board has fan monitoring indicator light; it is fully called monitoring during operation.
Dust proof and moisture-proof device 	3M high air volume filter (≤ 90pa 2.5m / s) is adopted, which meets UL safety certification, EU and ROHS environmental protection requirements. In view of severe weather such as wind, sand, fog and haze, foreign matters are effectively prevented from entering the whole machine. The air inlet and filter screen are cleaned once in 6 months, and the secondary air filter screen is replaced once in 12 months.
Brightness control	The built-in photosensitive probe can automatically adjust the brightness of LCD display screen according to the intensity of outdoor light. The core technology of LED backlight control and sensor can improve the sensitivity of light sense transmission, effectively identify, control and adjust the brightness of LED backlight.

SIZE Rounded angle



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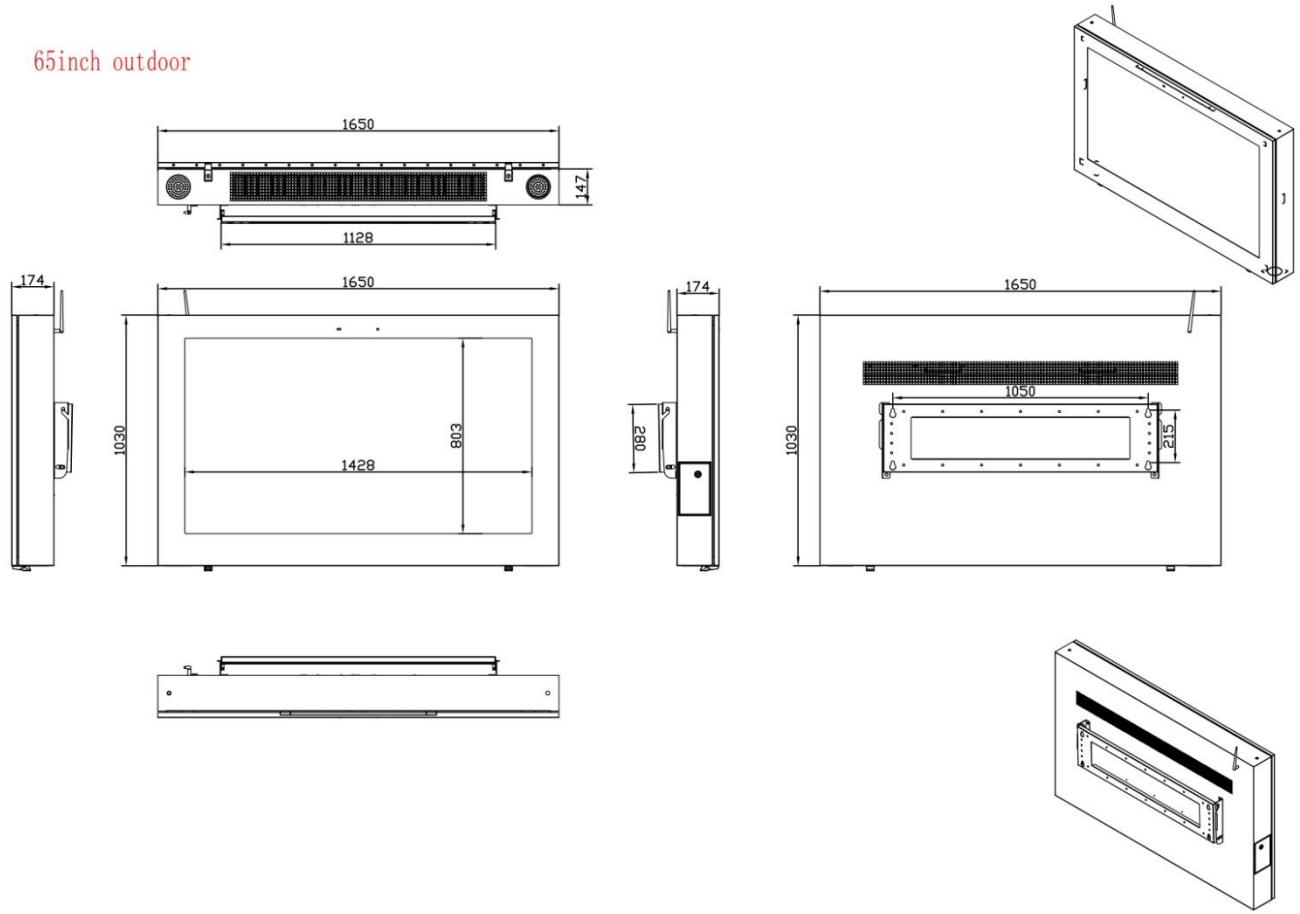
SIZE Right angle



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