



10.4" ~ 21.5" Fanless Panel PC with High Brightness Display and Intel® Pentium™ N4200 Processor



- High-Resolution Capacitive Touch Screen
- Multiple Memory and Storage Options Available
- Windows® 10 IoT 2019 Operating System
- Optional Wi-Fi Upgrade
- Panel or VESA mount
- Integrate with Indusoft's Web Studio®

System	CPU	Intel® Pentium™ Apollo Lake™ N4200 Quad-Core™ 1.1GHz CPU		
	System Memory Options	1 x DDR3-L 204-pin SO-DIMM RAM (4, 8 GB)		
I/O Ports	USB	2 x USB 2.0 type A 4 x USB 3.0 type A		
	Serial	1 x RS-232/422/485 DE-9P, COM1 (default RS-232) 2 x RS-232 DE-9P, COM2/COM3		
	Audio	1 x 3.5 mm Line-out		
	LAN	2 x GbE RJ-45		
	Power	DC power input jack, thumbscrew secured.		
	Power Switch	1 x Momentary Pushbutton with Integrated LED		
	External Display Connector	1 x HDMI® 1.4a		
Storage	Solid State Drive Options*	1 x 2.5" SATA 2, MLC (32, 64, 128, 256, 512 GB SSD)		
	SD Card Slot	N/A		
Expansion	Expansion Slot	Optional Wi-Fi kit (Wi-Fi card and antenna)		
Touch Screen	Type	Projected Capacitive Touch		
	Interface	USB		
Display	Display Type	10.4" TFT XGA LCD	12.1" TFT XGA LCD	15" TFT XGA LCD
	Max. Resolution	1024 x 768	1024 x 768	1024 x 768
	Max. Color	16.2 M	16.2 M	16.2 M
	Luminance (cd/m²)	1000	1000	1000
	View Angle (H°/V°)	170/170	170/170	170/160
	Contrast Ratio	1000:1	700:1	2000:1
	Backlight Lifetime (hours)	30,000+	30,000+	30,000+
Electrical	Input Voltage	12~24 VDC	12~24 VDC	12~24 VDC
	Input Current	1.06~2.08 A	1.08~2.17 A	1.33~2.67 A
	Input Power	25.5 W	26 W	32 W
Mechanical	Dimension (W x H x D)	11.57 x 8.90 x 2.82" [294 x 226 x 71.6 mm]	12.48 x 9.65 x 2.82" [317 x 245 x 71.6 mm]	13.97 x 11.40 x 2.82" [354.9 x 289.5 x 71.6 mm]
	Net Weight	6.83 lbs [3.1 kg]	9.70 lbs [4.4 kg]	9.70 lbs [4.4 kg]
	Panel Cutout Dimensions (W x H)	10.63 x 7.95" [270 x 202 mm]	11.54 x 8.70" [293 x 221 mm]	13.03 x 10.47" [331 x 266 mm]
	Mounting	Panel mounting, VESA 100 x 100		
	Construction	Black Steel Chassis, Aluminum Heatsink		
	Rating	IP65 compliant front panel, NEMA 4 when panel mounted		
	Environmental	Operating Temperature	32~140°F [0~60°C]	
Storage Temperature		-22~175°F [-30~80°C]		
Storage Humidity		10 to 90% @ 40°C, non-condensing		
Certifications		CE / FCC Class B / RoHS		
Operating System	Microsoft Windows Options	Microsoft Windows® 10 IoT Enterprise Embedded 2019 LTSC 64-bit (EPKEA) Microsoft Windows® 10 IoT Enterprise 2019 LTSC 64-bit (PKEA)		
Notes	* Additional SSD options available; contact Maple Systems for details			
Specifications subject to change without notice				

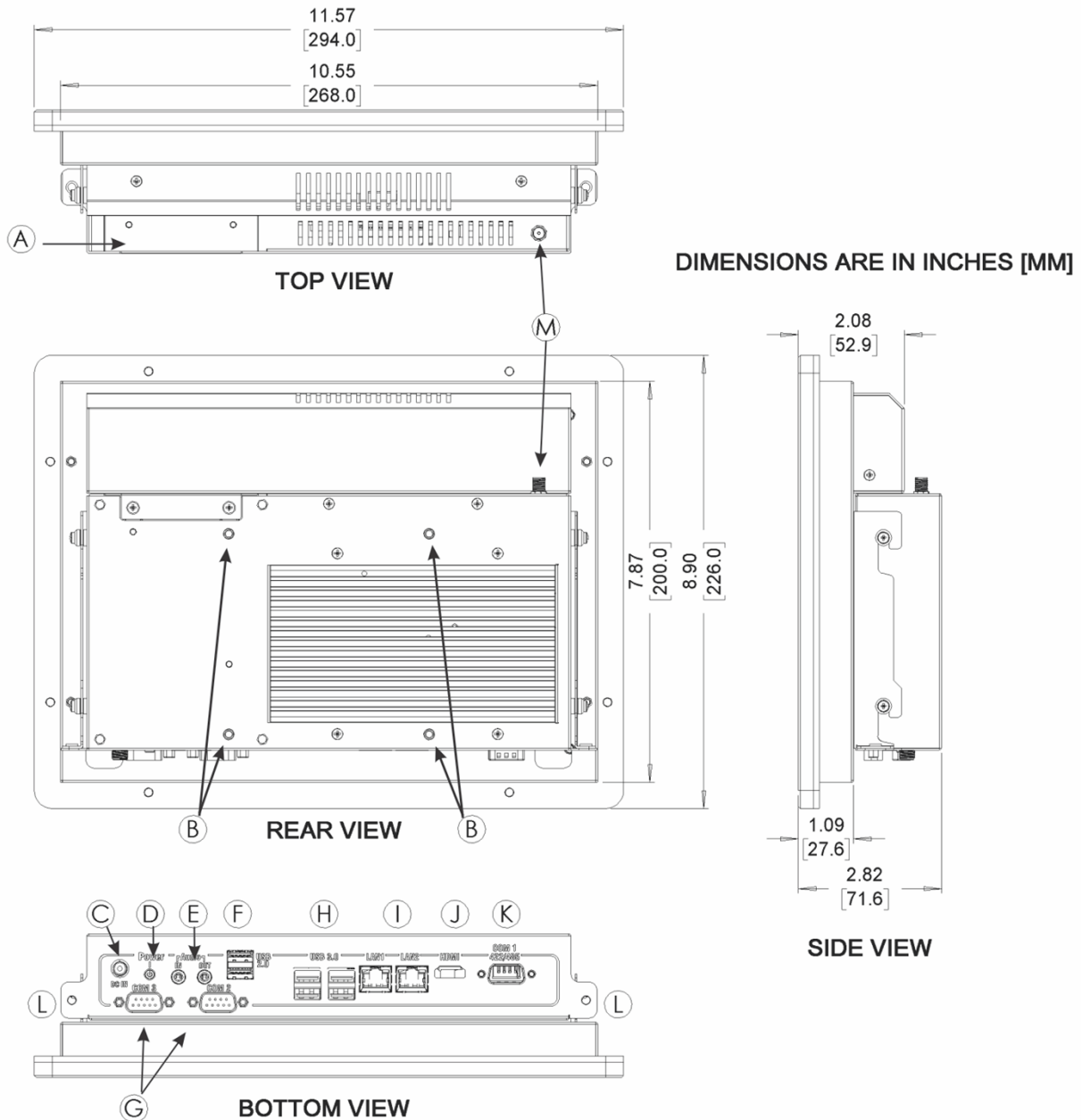
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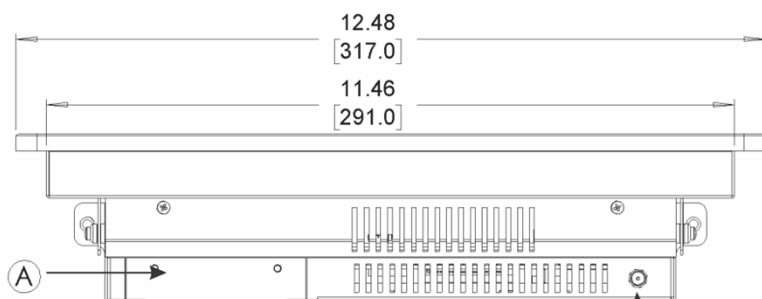
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I/O Ports	USB	2 x USB 2.0 type A 4 x USB 3.0 type A	
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	SD Card Slot	N/A	
Expansion	Expansion Slot	Optional Wi-Fi kit (Wi-Fi card and antenna)	
Touch Screen	Type	Projected Capacitive Touch	
	Interface	USB	
Display	Display Type	17" TFT SXGA LCD	21.5" Widescreen TFT FHD LCD
	Max. Resolution	1280 x 1024	1920 x 1080
	Max. Color	16.2 M	16.2 M
	Luminance (cd/m²)	1000	1000
	View Angle (H°/V°)	160/160	170/160
	Contrast Ratio	1000:1	3000:1
	Backlight Lifetime (hours)	30,000+	30,000+
Electrical	Input Voltage	12~24 VDC	12~24 VDC
	Input Current	1.54~3.08 A	2.17~4.33 A
	Input Power	37 W	52 W
Mechanical	Dimension (W x H x D)	15.23 x 13.09 x 2.82" [386.9 x 332.5 x 71.6 mm]	20.63 x 13.00 x 2.82" [524 x 330.2 x 71.6 mm]
	Net Weight	10.58 lbs [4.8 kg]	15.87 lbs [7.2 kg]
	Panel Cutout Dimensions (W x H)	14.29 x 12.17" [363 x 309 mm]	19.69 x 12.09" [500 x 307 mm]
	Mounting	Panel mounting, VESA 100 x 100	
	Construction	Black Steel Chassis, Aluminum Heatsink	
	Rating	IP65 compliant front panel, NEMA 4 when panel mounted	
	Environmental	Operating Temperature	32~140°F [0~60°C]
Storage Temperature		-22~175°F [-30~80°C]	
Storage Humidity		10 to 90% @ 40°C, non-condensing	
Certifications		CE / FCC Class B / RoHS	
Operating System	Microsoft Windows Options	Microsoft Windows® 10 IoT Enterprise Embedded 2019 LTSC 64-bit (EPKEA) Microsoft Windows® 10 IoT Enterprise 2019 LTSC 64-bit (PKEA)	
Notes	* Additional SSD options available; contact Maple Systems for details		
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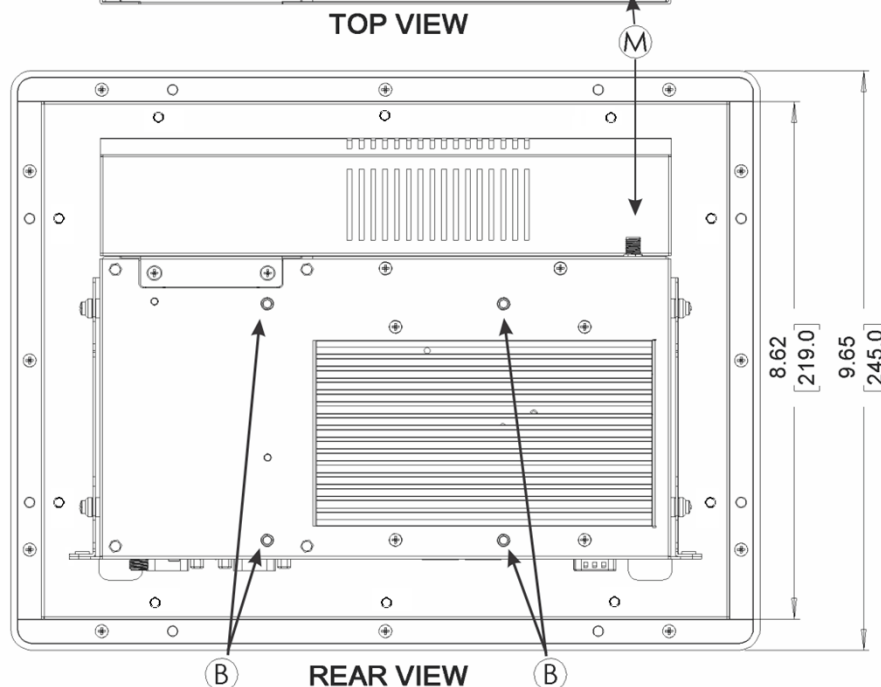
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|--|---|
| A Solid State Drive Bay | H USB 3.0 Host Ports |
| B VESA 100 x 100 mounting | I Gigabit Ethernet Ports |
| C DC Input Power Connector | J HDMI® Output |
| D Illuminated Power Button | K COM Port DE9P (RS232/RS422/RS485 Configurable) |
| E 3.5mm Audio Ports (Mic-In / Line Out) | L Thumb-Screw Mounting |
| F USB 2.0 Host Ports | M Wi-Fi Antenna Connector
(Nonfunctional unless Wi-Fi Option Purchased) |
| G COM Ports DE9P (RS232) | |

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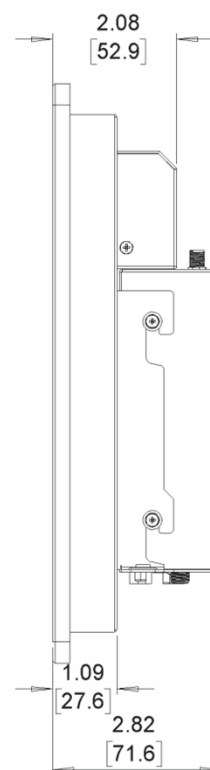


TOP VIEW

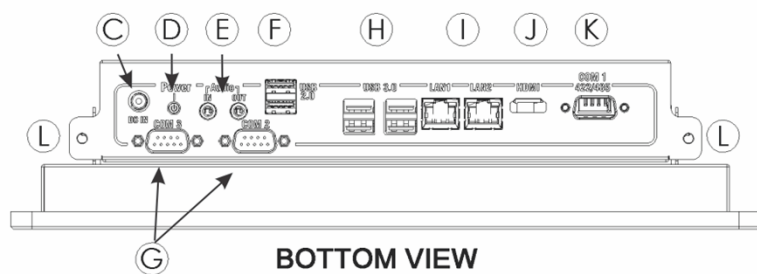
DIMENSIONS ARE IN INCHES [MM]



REAR VIEW



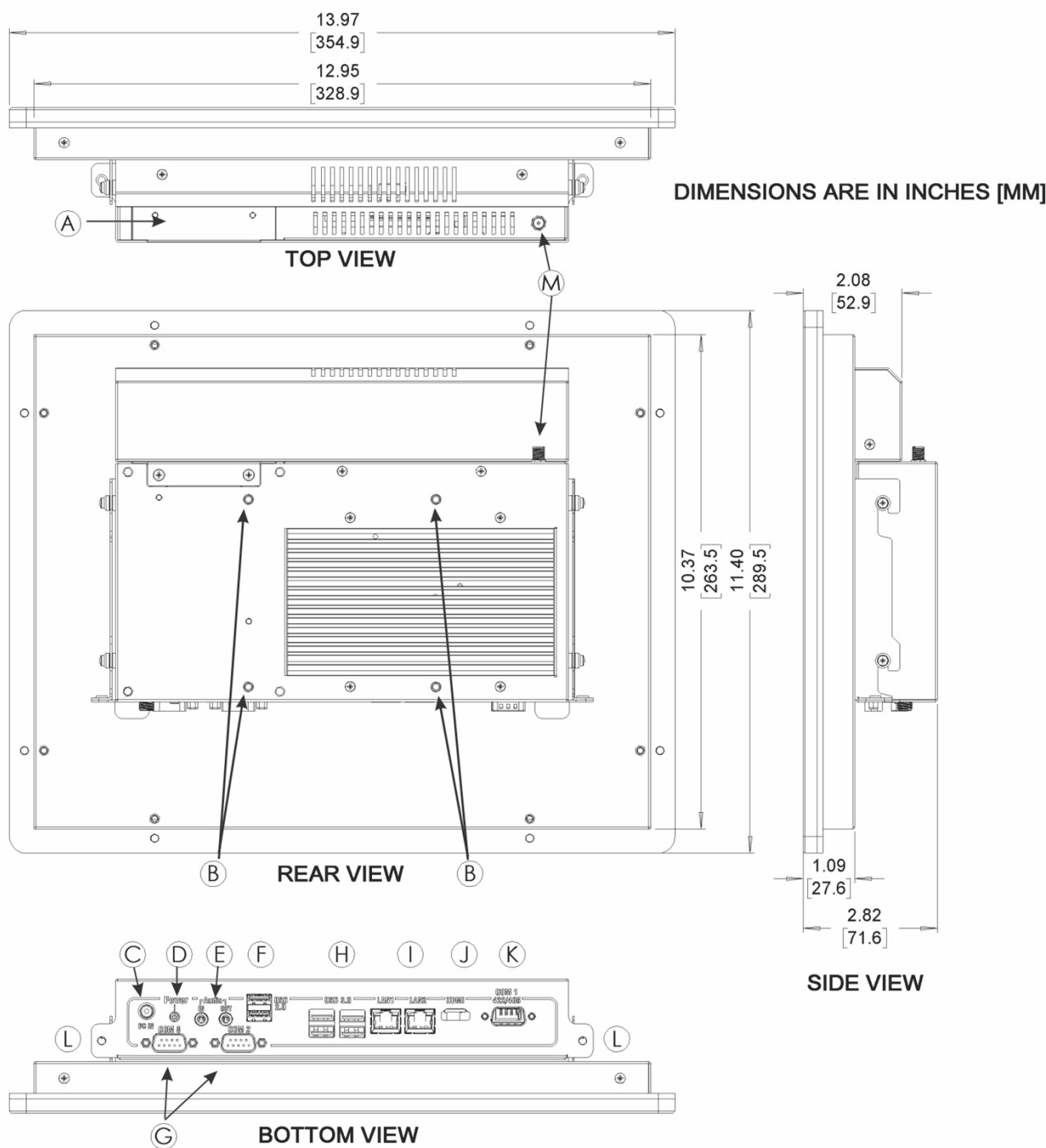
SIDE VIEW



BOTTOM VIEW

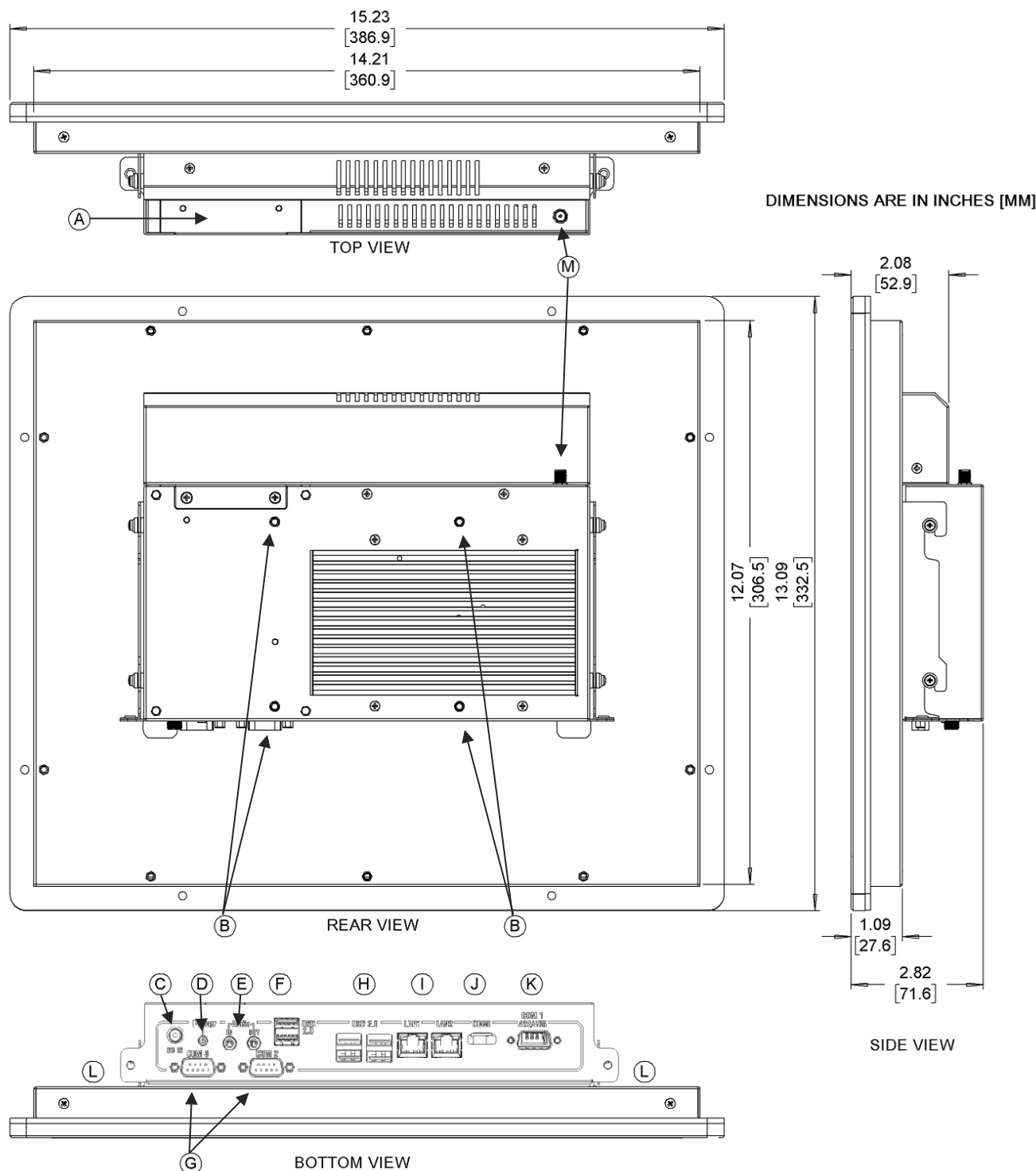
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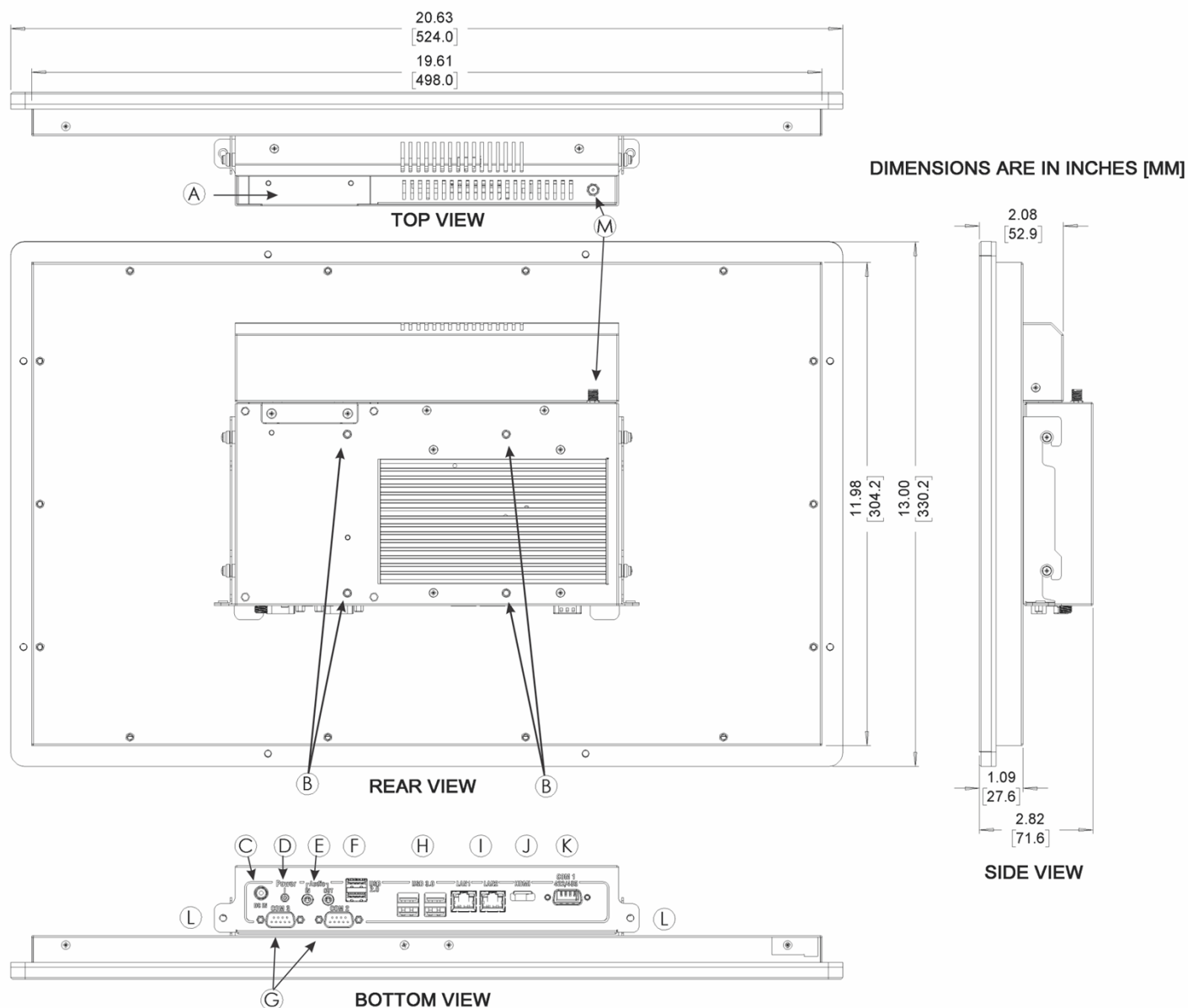
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| D Illuminated Power Button | K COM Port DE9P (RS232/RS422/RS485 Configurable) |
| E 3.5mm Audio Ports (Mic-In / Line Out) | L Thumb-Screw Mounting |
| F USB 2.0 Host Ports | M Wi-Fi Antenna Connector
(Nonfunctional unless Wi-Fi Option Purchased) |
| G COM Ports DE9P (RS232) | |

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|--|---|
| A Solid State Drive Bay | H USB 3.0 Host Ports |
| B VESA 100 x 100 mounting | I Gigabit Ethernet Ports |
| C DC Input Power Connector | J HDMI® Output |
| D Illuminated Power Button | K COM Port DE9P (RS232/RS422/RS485 Configurable) |
| E 3.5mm Audio Ports (Mic-In / Line Out) | L Thumb-Screw Mounting |
| F USB 2.0 Host Ports | M Wi-Fi Antenna Connector
(Nonfunctional unless Wi-Fi Option Purchased) |
| G COM Ports DE9P (RS232) | |

PC1221A



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|--|---|
| A Solid State Drive Bay | H USB 3.0 Host Ports |
| B VESA 100 x 100 mounting | I Gigabit Ethernet Ports |
| C DC Input Power Connector | J HDMI® Output |
| D Illuminated Power Button | K COM Port DE9P (RS232/RS422/RS485 Configurable) |
| E 3.5mm Audio Ports (Mic-In / Line Out) | L Thumb-Screw Mounting |
| F USB 2.0 Host Ports | M Wi-Fi Antenna Connector
(Nonfunctional unless Wi-Fi Option Purchased) |
| G COM Ports DE9P (RS232) | |