

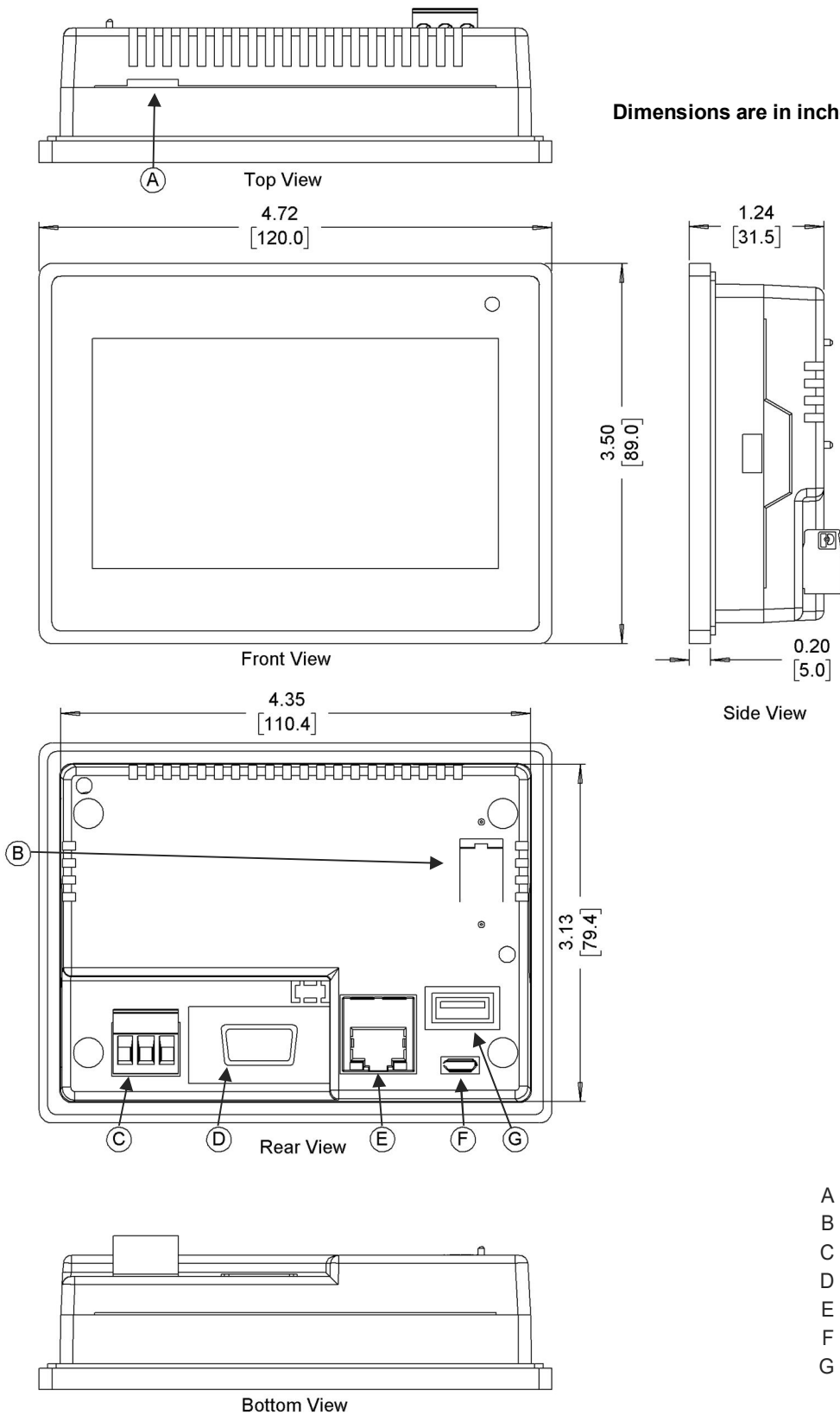
## 4.3" ~ 10.1" Touchscreen HMI + PLC



- Robust 4GB Flash Memory, 512MB RAM
- Up to 5 Discrete I/O Modules Supported
- Up to 1024 x 600 Pixel Resolution (10.1" model)
- Web Server, Ethernet and Serial Communication
- IP66 Rated for Washdown Environments

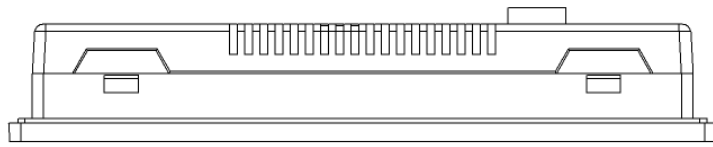
<b>System</b>	CPU	32-bit RISC, 528 MHz			
	Memory (Flash)	4 GB			
	Memory (RAM)	512 MB			
	Memory (Data Log)	50 MB			
	Memory (User Application) (Ladder Logic) (Alarms) (Retentive) (Keep Registers)	1 GB combined			
<b>Touch Screen</b>	RTC	Built-in			
	Type	4-wire resistive touch			
<b>I/O Ports</b>	LAN	1 x 10/100 Base-T RJ-45			
	CANbus	N/A			
	USB Host	1 x USB 2.0			
	USB Client	1 x USB 2.0 (Type C)			
	SD Card Slot	1 x Secure Digital Memory Card (SD/SDHC) socket (32GB max. capacity)			
	Serial	1 x DE9S COM1: RS-232, COM2: RS-485 2 or 4 wire*	1 x Terminal block HDR 3.81 mm COM1: RS-232/RS-485, 2 wire or 4 wire	1 x DE9S COM1: RS-232/RS-485, 2 wire or 4 wire	
			1 x DE9S COM2: RS-232/RS-485, 2 wire or 4 wire	1 x DE9S COM2: RS-232/RS-485, 2 wire or 4 wire	
Expansion	1 (for optional I/O module)	3 (for optional I/O modules)	5 (for optional I/O modules)		
<b>Display</b>	Display Type	<b>4.3" WQVGA TFT</b>	<b>7" WVGA TFT</b>	<b>10.1" WSVGA TFT</b>	
	Size (W x H)	3.70" x 2.1" [95 x 54 mm]	5.98" x 3.58" [152 x 91 mm]	8.74" x 5.24" [222 x 133 mm]	
	Max. Resolution	480 x 272	800 x 480	1024 x 600	
	Max. Colors	16.7 M	16.7 M	16.7 M	
	Luminance (cd/m <sup>2</sup> )	400	350	350	
	View Angle (H°/V°)	115/115	140/120	140/120	
	Contrast Ratio	500:1	500:1	500:1	
	Backlight Lifetime (Hours)	25,000+	25,000+	25,000+	
<b>Electrical</b>	Input Voltage	24 VDC ±15%	24 VDC ±15%	24 VDC ±15%	
	Input Current (Base only)	160 mA @ 24 VDC	220 mA @24 VDC	270 mA @24 VDC	
	Input Power (Base Only)	3.84 W	5.28 W	6.48 W	
	Input Current w/Expansion(s)	210 mA @ 24 VDC (with 1 expansion)	370 mA @ 24 VDC (with 3 expansions)	520 mA @ 24 VDC (with 5 expansions)	
	Input Power w/Expansion(s)	5.04 W	8.88 W	12.48 W	
	Power Isolation	Yes	Yes	Yes	
<b>Mechanical</b>	Dimensions (W x H x D)	4.72" x 3.50" x 1.24" [120 x 89 x 31.5 mm]	7.32" x 5.43" x 1.22" [186 x 138 x 31 mm]	10.55 x 7.48 x 1.30" [268 x 190 x 33 mm]	
	Panel Cutout (W x H)	4.37" x 3.15" [111 x 80 mm]	6.89" x 5.00" [175 x 127 mm]	10.08" x 7.01" [256 x 178 mm]	
	Net Weight	Approx. 0.44 lbs (0.2 kg)	Approx. 0.88 lbs (0.4 kg)	Approx. 1.98 lbs (0.9 kg)	
	Enclosure	Plastic, Dark Charcoal Grey			
	PCB Coating	N/A			
	Mounting	Panel			
<b>Environmental</b>	Operating Temperature	32 ~ 122° F (0~50° C)			
	Storage Temperature	-4 ~ 185° F (-20 ~ 85° C)			
	Relative Humidity	10 ~ 95% (non-condensing)			
	Vibration Endurance	25 g acceleration for 11 ms			
	Rating	IP66 compliant front panel			
<b>Software</b>	Certifications				
<b>Notes</b>	MAPware-7000 (v2.36 or later)				
	* One DE9S port supports RS-232 and RS-485 on different pins. "Y" Type Splitter cable (Maple Systems P/N 7431-0122 – Sold Separately) can be used for separate RS-232 and RS-485 use simultaneously.  HMC4000 series units are compatible with all HMC3 I/O modules. Specifications subject to change without notice.				

## HMC4043A-M

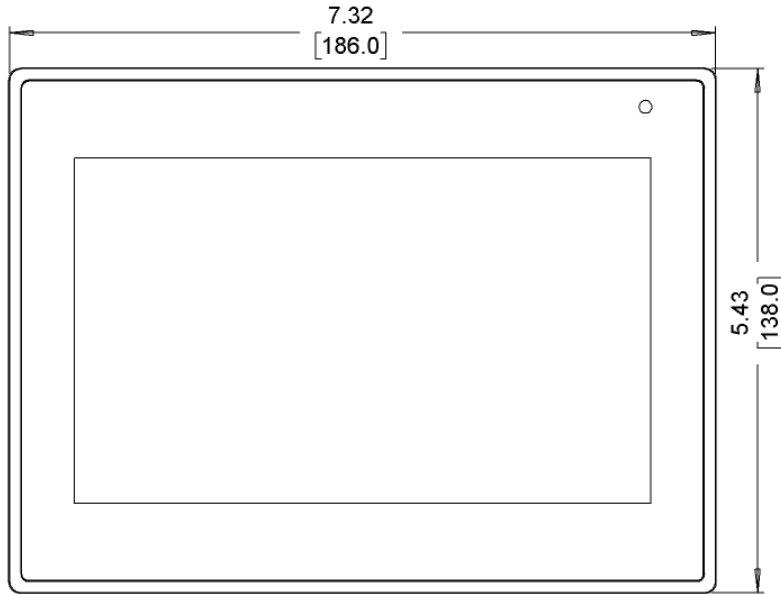


- A MicroSD Card Slot
- B Expansion Port
- C Power Connector
- D COM Port DE9S
- E RJ45 Ethernet Port
- F USB 2.0 Client Port
- G USB 2.0 Host Port

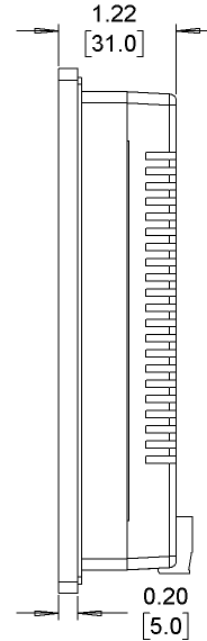
## HMC4070A-M



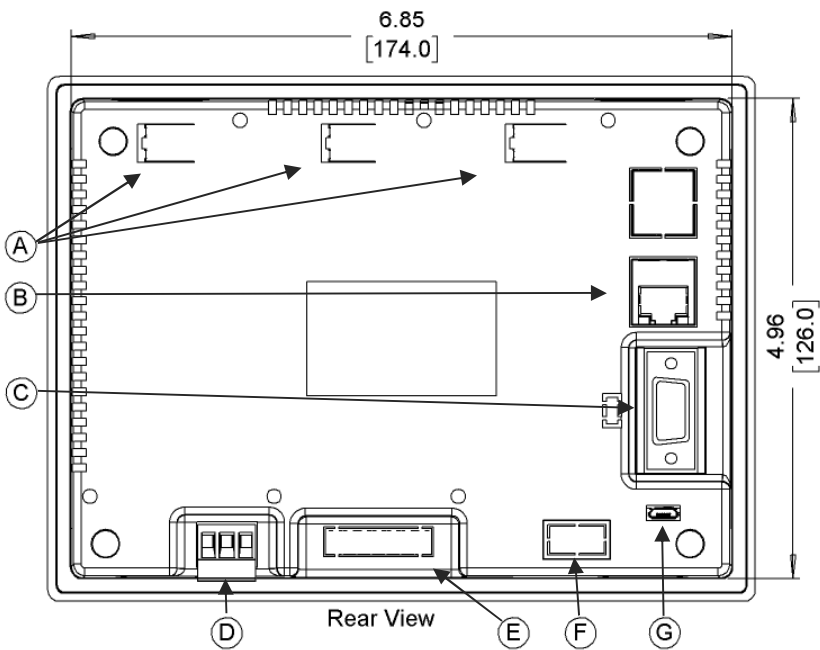
Top View



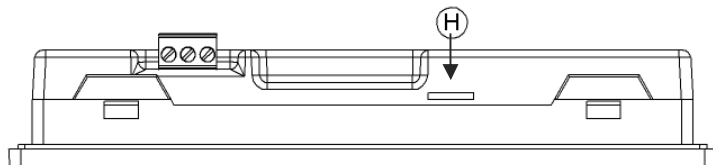
Front View



Side View



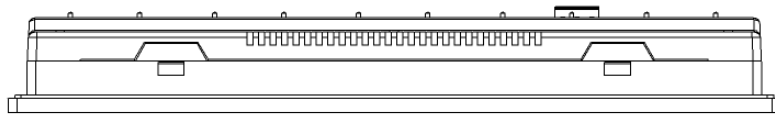
Rear View



Bottom View

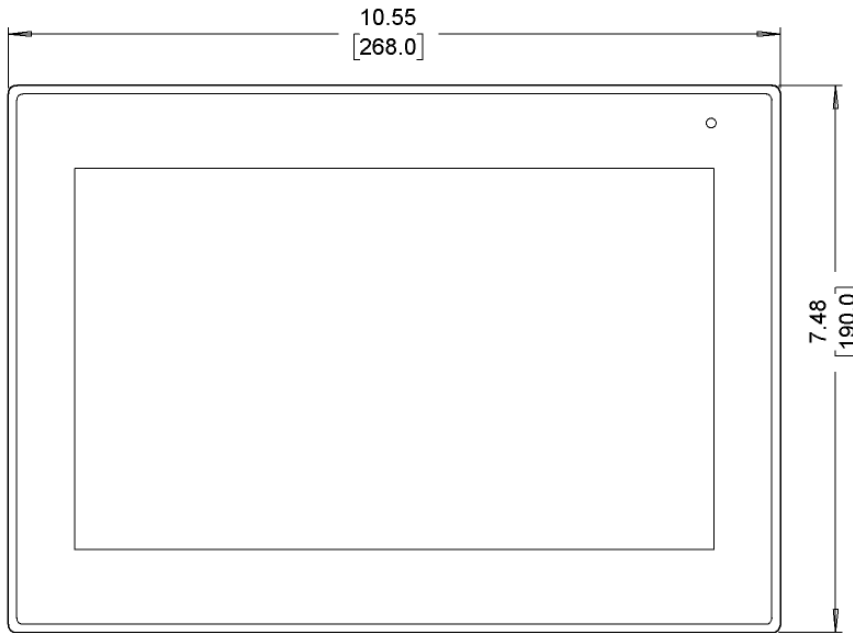
- A Expansion Ports
- B Ethernet Port
- C COM Port DE9S
- D Power Connector
- E COM Port Terminal Block Connector
- F USB 2.0 Host Port
- G USB 2.0 Client Port
- H MicroSD Card Slot

## HMC4101A-M

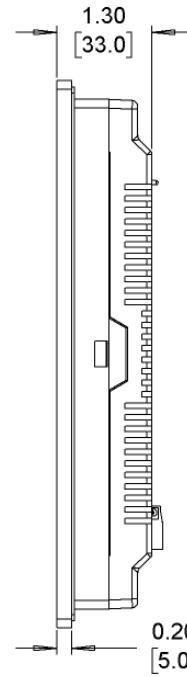


Top View

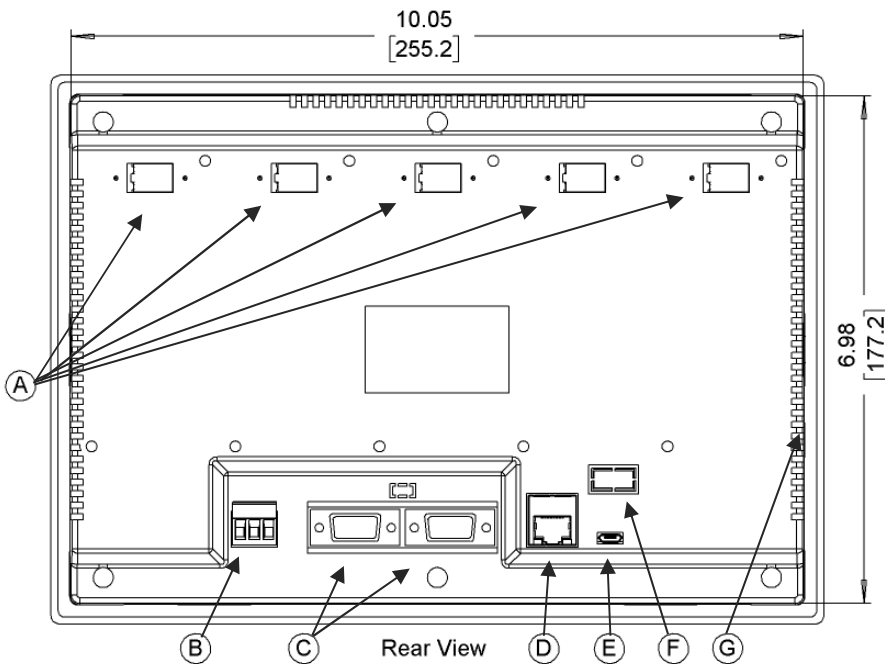
Dimensions are in inches [mm]



Front View

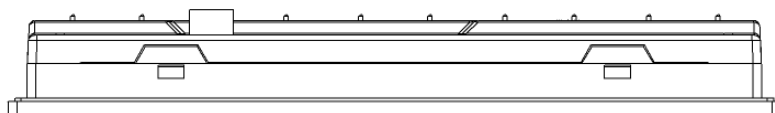


Side View



Rear View

- A Expansion Ports
- B Power Connector
- C COM Ports DE9S
- D Ethernet Port
- E USB 2.0 Client Port
- F USB 2.0 Host Port
- G MicroSD Card Slot



Bottom View