

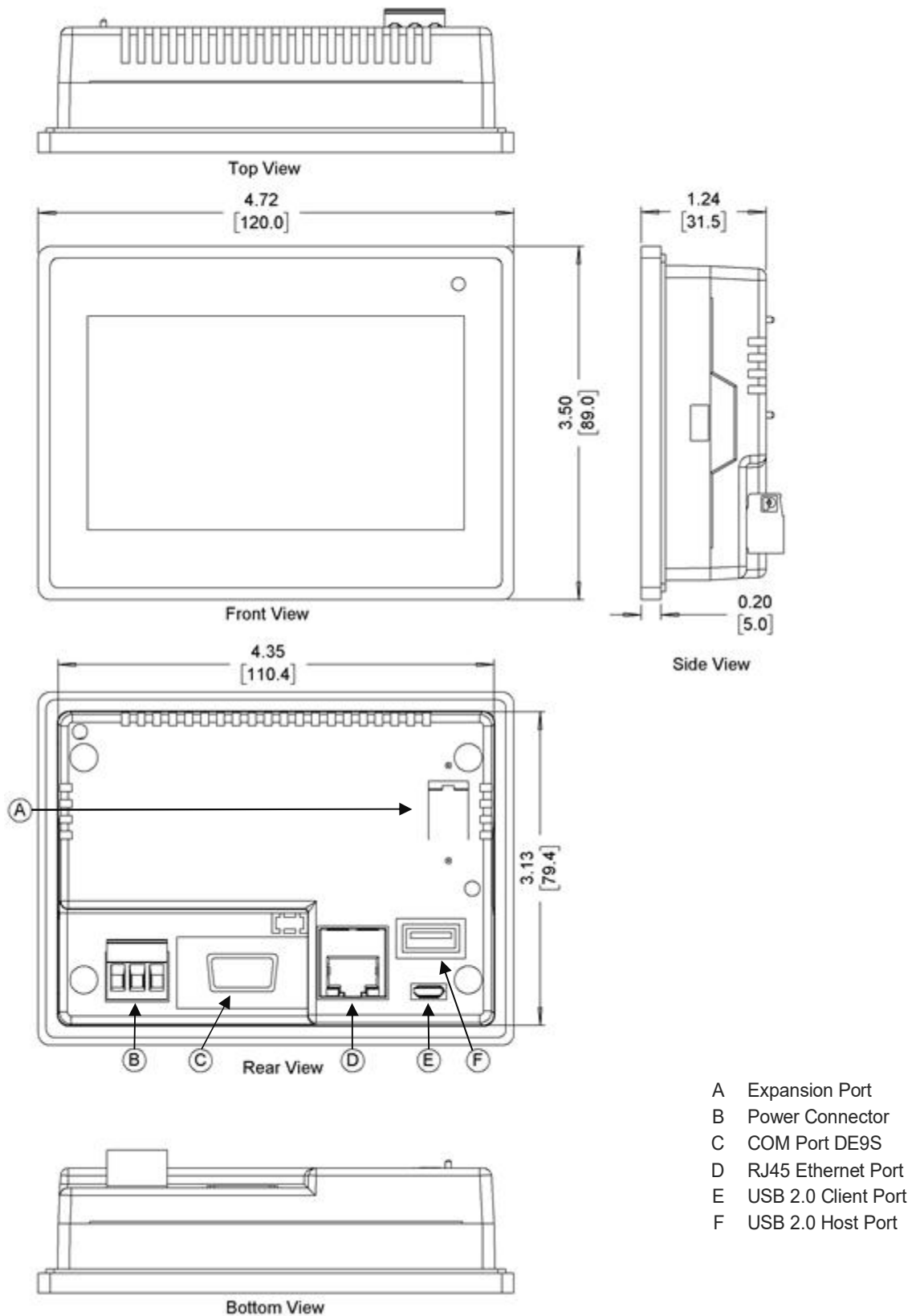
4.3" ~ 7.0" Touchscreen HMI + PLC



- Faster Processor
- Class 1, Division 2
- Up to 3 Discrete I/O Modules Supported
- Up to 800 x 480 Pixel Resolution (7.0" model)
- Ethernet and Serial Communication Options

System	CPU	32-bit RISC, 480 MHz		
	Memory (Flash)	16 MB		
	Memory (RAM)	16 MB max.		
	Memory (User Application)	8 MB		
	Memory (Ladder Logic)	2 MB		
	Memory (Alarms)	1350 Individual Alarms		
	Memory (Retentive)	8000 Words		
	Memory (Data Log)	4 MB		
	Memory (Keep Registers)	1000 Words		
RTC	Built-in			
Touch Screen	Type	4-wire resistive touch		
	LAN	1 x 10/100 Base-T RJ-45		
I/O Ports	CANbus	N/A		
	USB Host	1 x USB 2.0		
	USB Client	1 x USB 2.0 (Type C)		
	SD Card Slot	N/A		
	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 COM2: RS-232/RS-485, 2 wire or 4 wire
	Expansion	1 (for optional I/O module)	3 (for optional I/O modules)	
Display	Display Type	4.3" WQVGA TFT	7" WVGA TFT	
	Size (W x H)	3.70" x 2.1" [95 x 54 mm]	5.98" x 3.58" [152 x 91 mm]	
	Max. Resolution	480 x 272	800 x 480	
	Max. Colors	16.7 M	16.7 M	
	Luminance (cd/m ²)	400	350	
	View Angle (H°/V°)	115/115	140/120	
	Contrast Ratio	500:1	500:1	
	Backlight Lifetime (Hours)	25,000+	25,000+	
Electrical	Input Voltage	24 VDC +20%, -15%	24 VDC +20%, -15%	
	Input Current	180 mA @ 24 VDC (with 1 expansion)	250 mA @ 24 VDC (with 3 expansions)	
	Input Power	4.32 W	6 W	
	Power Isolation	N/A	N/A	
Mechanical	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]	
	Panel Cutout (W x H)	4.37" x 3.15" [111 x 80 mm]	6.89" x 5.00" [175 x 127 mm]	
	Net Weight	Approx. 0.44 lbs (.2 kg)	Approx. 0.88 lbs (.4 kg)	
	Enclosure	Plastic, Dark Charcoal Grey		
	PCB Coating	N/A		
	Mounting	Panel		
Environmental	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		
Software	Certifications: cULus (Class I, Div 2), CE, RoHS			
Software	MAPware-7000 (v2.36 or later)			
Notes	* 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.			
	HMC2000 series units are compatible with all HMC3 I/O modules. Specifications subject to change without notice.			

HMC2043A-M

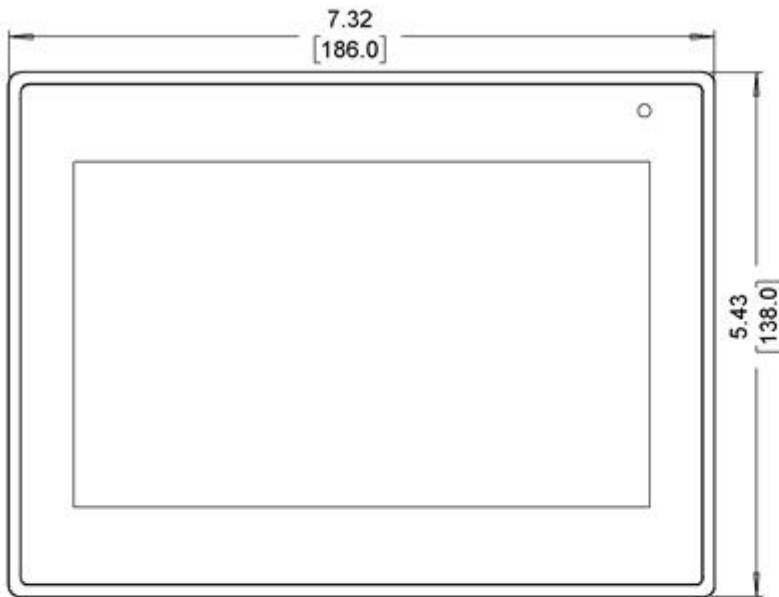


HMC2070A-M

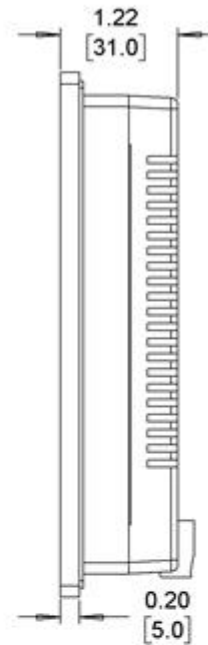
Dimensions are in inches [mm]



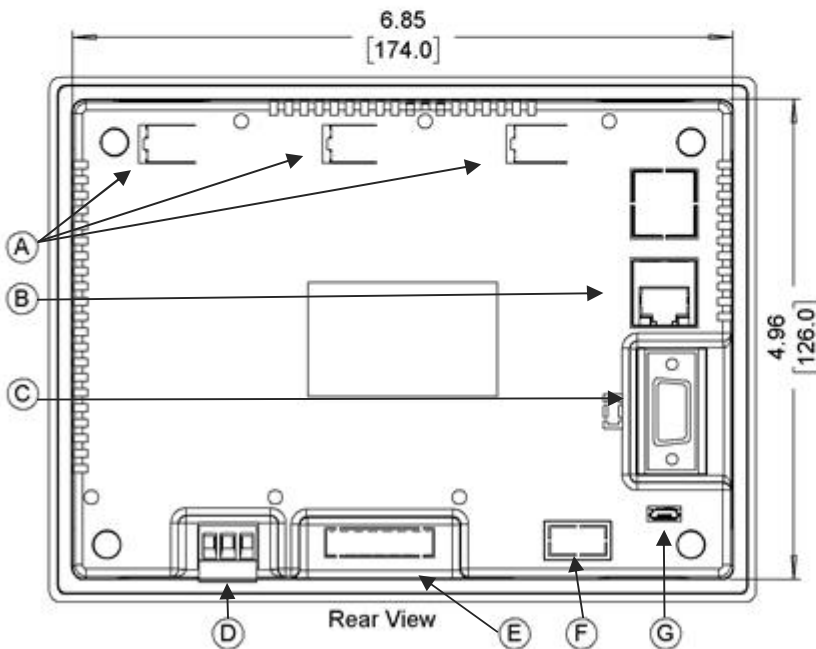
Top View



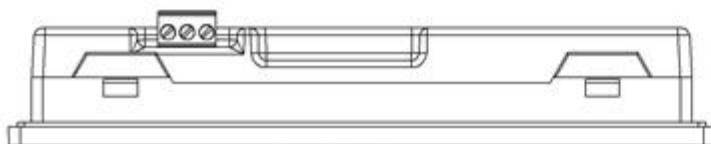
Front View



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