

HM SERIES – SPECIFICATIONS



Part number	AIHM504	AIHM507	AIHM510	AIHM513	AIHMe04	AIHMe07	AIHMe10
Feature	HM504	HM507	HM510	HM513	HMe04	HMe07	HMe10
Display size	4.3" TFT 16:9	7" TFT 16:9	10.4" TFT	13.3" TFT 16:9	4.3" TFT 16:9	7" TFT 16:9	10.1" TFT 16:9
Resolution	480 x 272, WQVGA	800 x 480, WVGA	800 x 600, SVGA	1280 x 800, WXGA	480 x 272, WVGA	800 x 480, WVGA	1024 x 600, WVGA
Backlight	LED						
Brightness	150 cd/m ² typ.	300 cd/m ² typ.	300 cd/m ² typ.	300 cd/m ² typ.	200 cd/m ² typ	200 cd/m ² typ	200 cd/m ² typ
Dimming	Yes						
Colors	64K						
Touchscreen	Analog resistive						
Portrait mode	Yes						
User Memory	128MB flash memory	128MB flash memory	256MB flash memory	256MB flash memory	2GB flash memory	4GB flash memory	4GB flash memory
Serial port (Universal)	RS232, RS485, RS422, software configurable						
Ethernet port	2x 10/100Mbit with integrated switch	2x 10/100Mbit with integrated switch	2x 10/100Mbit with integrated switch	2x 10/100Mbit with integrated switch	1x 10/100Mbit	1x 10/100Mbit	1x 10/100Mbit
USB port	1 host interface version 2.0	2 host interfaces (1x version 2.0, 1x version 2.0 and version 1.1)	2 host interfaces (1x version 2.0, 1x version 2.0 and version 1.1)	2 host interfaces (1x version 2.0, 1x version 2.0 and version 1.1)	1 host interface version 2.0	1 host interface version 2.0	1 host interface version 2.0
Vector graphics	Yes, supports SVG						
Dynamic objects	Yes						
TrueType fonts	Yes						
Alarms / alarm information	Yes						
Recipes	Yes						
Password	Yes						
Trends	Yes						
Multilanguage management	Yes						
Real-time clock	Yes, with battery	Yes, with battery	Yes, with battery	Yes, with battery	Yes, supercapacitor	Yes, supercapacitor	Yes, supercapacitor
Battery	Rechargeable lithium battery	Rechargeable lithium battery	Rechargeable lithium battery	Rechargeable lithium battery	No	No	No
Expansion slots	1 optional plugin	2 optional plugins	2 optional plugins	2 optional plugins	No	No	No
SD card slot	Yes	Yes	Yes	Yes	No	No	No
Voltage	24V DC (10 – 32V DC)	24V DC (10 – 32V DC)	24V DC (10 – 32V DC)	24V DC (10 – 32V DC)	24V DC (18 – 32V DC)	24V DC (18 – 32V DC)	24V DC (18 – 32V DC)
Max. current consumption (typ.)	0.55A at 24VDC (max.)	0.7A at 24V DC (max.)	1A at 24V DC (max.)	1.2A at 24V DC (max.)	0.25A at 24V DC (max.)	0.3A at 24VDC (max.)	0.38A at 24VDC (max.)
Operating temperature	0° to 50°C						
Storage temperature	-20° to +70°C						
Operating and storage humidity	5 to 85%, RH non-condensing						
Mass	Approx. 1.0kg	Approx. 1.0kg	Approx. 2.1kg	Approx. 2.8kg	Approx. 0.4kg	Approx. 0.6kg	Approx. 1.0kg
Front panel (L x H)	147 x 107mm	187 x 147mm	287 x 232mm	336 x 267mm	147 x 107mm	187 x 147mm	282 x 197mm
Panel cutout (A x B)	136 x 96mm	176 x 136mm	276 x 221mm	326 x 256mm	136 x 96mm	176 x 136mm	271 x 186mm
Depth (D + T)	56 + 4mm	47 + 4mm	56 + 4mm	56 + 4mm	29 + 5mm	29 + 5mm	29 + 6mm
Degree of protection (front)	IP66						
Degree of protection (back)	Conforms to IP20						
Certification	CE, UL						
Guarantee	5 years				3 years		



Part number	AIHMX705	AIHMX707	AIHMX710	AIHMX715	AIHMX721
Feature	HMx705	HMx707	HMx710	HMx715	HMx721
Display size	5" TFT 16:9	7" TFT 16:9	10.1" TFT 16:9	15.6" TFT 16:9	21.5" TFT 16:9
Resolution	800 x 480, WVGA	800 x 480, WVGA	1280 x 800, WXGA	1366 x 768, HD	1920 x 1080, Full HD
Backlight	LED				
Brightness	300 cd/m² typ.	500 cd/m² typ.		400 cd/m² typ.	300 cd/m² typ
Dimming	Yes				
Colors	64K	16M			
Touchscreen	Capacitive glass, multi-touch				
Portrait mode	Yes				
User Memory	4GB Flash memory			8GB Flash memory	
Serial port (Universal)	RS232, RS485, RS422, software configurable				
Ethernet port	2x 10/100Mbit	3x 10/100Mbit			
USB port	1 (host V2.0, max. 500mA)	2 (host V2.0, max. 500mA)			
Vector graphics	Yes, supports SVG				
Dynamic objects	Yes				
TrueType fonts	Yes				
Alarms / alarm information	Yes				
Recipes	Yes				
Password	Yes				
Trends	Yes				
Multilanguage management	Yes				
Real-time clock	Yes, with battery				
Battery	Rechargeable lithium battery				
Expansion slots	1 optional plugin	2 optional plugins	2 optional plugins	2 optional plugins	No
SD card slot	Yes				
Voltage	24V DC (10 – 32V DC)				
Max. current consumption (typ.)	0.6A at 24V DC (max.)	0.7A at 24V DC (max.)	1A at 24V DC (max.)	1.2A at 24V DC (max.)	1.7A at 24V DC (max.)
Operating temperature	-20° to +60 °C (vertical installation) Units and devices connected via USB may limit the operating temperature to +50°C max.				
Storage temperature	-20° to +70°C				
Operating and storage humidity	5 to 85%, RH non-condensing				
Mass	Approx. 1.3kg	Approx. 1.5kg	Approx. 2.5kg	Approx. 4.1kg	Approx. 6.1kg
Front panel (L x H)	147 x 107mm	187 x 147mm	282 x 197mm	422 x 267mm	552 x 347mm
Panel cutout (A x B)	136 x 96mm	176 x 13mm	271 x 18mm	411 x 256mm	541 x 336mm
Depth (D + T)	52 + 8mm	47 + 8mm	56 + 8mm	56 + 8mm	56 + 8.5mm
Degree of protection (front)	IP66				
Degree of protection (back)	Conforms to IP20				
Certification	CE, UL				
Guarantee	5 years				