

Functionality

Functions	boss		boss-mini	
	MHST**XE0 / BMHST**XS0		BMEST**LE0	BMEST**RS0 / BMEST**RE
				
Hardware				
Integrated Wi-Fi connectivity to mobile devices	YES		YES	NO
Video output	YES: VGA / Display Port		YES: micro HDMI	NO
Double Ethernet port (separation of LAN / Internet connections)	Yes			
Integrated backup memory expansion	YES with uSD memory		YES with SD memory	
Embedded RS485 ports	2 opto-isolated		1 opto-isolated, 1 not opto-isolated	
Possibility to add serial ports using the converter CVSTDUM0R0	YES		NO	
Integrated digital input	YES		NO	
Temporary IP address reset button	NO		YES	
Integrated digital outputs	3 relays with changeover contacts		3 voltage outputs @ +24Vdc	
USB host ports	6 (2 front and 4 rear)		1	
Status LED	8 at front (on/off, alarm, 2 RS485 ports, 3 relays, digital input)		2 at front (on/off, alarm)	
Possibility to connect an external UMTS modem to send SMS messages	Yes			
Power supply	100-240 V~ 50-60 Hz (power supply module input)		24Vdc	
Operating temperature	from 5 to 45 ° C		from 5 to 40 ° C	
Software				
Maximum number of connectable devices	100 to 300		50	30 to 50
Maximum number of sampled variables	1500 to 3500		500	300 to 500
Minimum variable sampling time	5 sec		30 sec	
Maximum number of extra functions that can be enabled (plug-ins)	20		3	
All pages responsive	Yes			
Graphic customisation with HTML5 / SVG technology	YES (using c.web tool)			
Web connection with encrypted protocol (HTTPS)	Yes			
Third-party device integration	YES (using device creator tool)			
Modbus RTU Master protocol	Yes			
Modbus TCP/IP Master protocol	Yes			
Data synchronisation with RemotePRO	YES (cost 1 plug-in credit)			
BACnet Master Protocol (MSTP and TCP/IP)	YES (cost 1 plug-in credit)			
BACnet Slave Protocol (TCP/IP)	YES (cost 1 plug-in credit)			
Modbus RTU or TCP/IP Slave protocol	YES (cost 1 plug-in credit)			
XML Slave protocol (*) (**)	YES (cost 1 plug-in credit)			
Custom logic development by customer	YES (cost 1 plug-in credit)			
Logical devices / logical variables	YES (cost 1 plug-in credit)			
Performance index	YES (cost 1 plug-in credit)			
Energy consumption control and management	YES (cost 1 plug-in credit)			
Suction pressure optimisation	YES (cost 1 plug-in credit)			
Parameter control	YES (cost 1 plug-in credit)			
Compressor rack safe restart	YES (cost 1 plug-in credit)			
Dew point broadcast	YES (cost 1 plug-in credit)			
HVAC unit free cooling optimisation	YES (cost 1 plug-in credit)			
Air-conditioning on/off optimisation	YES (cost 1 plug-in credit)			
Optimised lighting management based on outside light	YES (cost 1 plug-in credit)			
Optimised unit capacity management (*) (**)	YES (cost 1 plug-in credit)			
Send email	Yes			
Send instant messages (Telegram)	Yes			
Send SMS	Yes			
Manual and/or automatic reports in CSV and PDF format	Yes			
Scheduled activity management	Yes			