




# Functionality

Functions	boss (BMHS****0)	boss-mini (BMEST****0)	boss-micro (BMBST****0)
			
<b>Hardware</b>			
Integrated Wi-Fi connectivity to mobile devices	YES	YES (depending on the model)	
Video output	VGA/Display Port	micro HDMI (depending on the model)	NO
Double Ethernet port (separation of LAN / Internet connections)	Yes		
Integrated backup memory expansion	Yes (uSD)	YES already inserted in BMEST**LEO models	Yes (uSD)
Embedded RS485 ports	2 opto-isolated	1 opto-isolated 1 not opto-isolated	1 opto-isolated 1 not opto-isolated
Integrated digital input	Yes	NO	Yes
Temporary IP address / reset button	NO	Yes	Yes
Integrated digital outputs	3 relays with changeover contacts N.O./N.C.	3 voltage outputs 24 Vdc	2 voltage outputs 24 Vdc
USB host ports	6 (2 front and 4 rear)	1	1
Status LEDs	8 front (status and I/O)	2 front (status)	8 front (status, I/O, wireless signal)
Possibility to connect external USB peripherals	Yes		NO (not necessary)
Power supply	100-240 V ~ 50-60Hz (power supply module input)	24 Vdc	24 Vac/Vdc
<b>Software</b>			
Minimum variable sampling time	5 sec	30 sec	30 sec
Maximum number of devices and variables that can be logged	300/3500	50/500	15/150 *
All pages responsive	Yes		
Graphic customisation with HTML5 / SVG technology (using c.web tool)	Yes		
Web connection with encrypted protocol (HTTPS)	Yes		
Third-party device integration	Yes (using device creator tool)		
Modbus TCP/IP / RTU client protocol	Yes		
Data synchronisation with RemotePRO	Yes (cost 1 plug-in credit)		
BACnet client Protocol (MSTP and TCP/IP)	Yes (cost 1 plug-in credit) **		
BACnet server Protocol (TCP/IP)	Yes (cost 1 plug-in credit) **		
Modbus RTU or TCP/IP server protocol	Yes (cost 1 plug-in credit)		
XML server protocol	Yes (cost 1 plug-in credit) **		
XML push protocol	Yes **		
SNMP Manager protocol	Yes **		
MQTT protocol:	Yes **		
SNMP Agent protocol	Yes **		
Custom logic development by customer	Yes (cost 1 plug-in credit) **		
Logical devices / logical variables	Yes (cost 1 plug-in credit)		
Performance index (cost 1 plug-in credit)	Yes	Yes	NO
Energy consumption control and management	Yes (cost 1 plug-in credit) **		
Suction pressure optimisation	Yes (cost 1 plug-in credit)		
Parameter control (cost 1 plug-in credit)	Yes	Yes	NO
Compressor rack safe restart (cost 1 plug-in credit)	Yes	Yes	NO
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 (cost 1 plug-in credit)	Yes (cost 1 plug-in credit) **		
Maximum number of extra functions that can be enabled (plug-ins)	20	4	3
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		
Languages available	Italian, English, German, French, Spanish, Portuguese, Russian, Turkish, Chinese, Polish, Danish, Swedish, Japanese, Hungarian, Dutch, Korean		

\*= P/N BMBSE00RP0, boss micro wired Enhanced, can manage up to 30 devices/300 variables

\*\*= not available on BMBSE00RP0