



Feature	RMA	RMA PLUS
Hardware		
System clock	60MHz	168MHz
Flash	256KB	2MB
RAM	32KB	256 + 4KB
External flash	8KB	16MB
External RAM		64MB
HS Watbus	Standard (2 Masters)	Standard (1 Master)
LS Watbus	Standard (1 Slave, 1 Master)	Standard (1 Master)
USB host		Future (MSC, AOA)
USB device	Standard (MSC)	Standard (MSC, VSC)
Ethernet	RMAX-A3XX-AAXX	Standard
Ethernet switch		3-port 10/100 managed Ethernet switch
Realtime clock (RTC) with battery	RMAX-AXBX-AAXX	Standard
LEDs	7-segment zone, LSWB activity	4 user-defined, bi-color
Micro SDHC	4GB Class 4 MLC	4 GB Class 4 MLC OR 16GB Class 10 pSLC
Bluetooth®		Future
Wi-Fi		Future
Field Bus		
Watbus	LS Watbus via "C" connector	LS Watbus via "C" connector
Watbus via Ethernet		Standard
Watbus via USB		Standard
Modbus® RTU (232/485)	RMAX-A2XX-AAXX	RMAP-2AXX-AAXX
Modbus® TCP	RMAX-A3XX-AAXX	Standard
EtherNet/IP™	RMAX-A3XX-AAXX	Future
DeviceNet™	RMAX-A5XX-AAXX	Future
PROFIBUS DP	RMAX-A6XX-AAXX	Not planned
Bluetooth®		Future

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Feature	RMA	RMA PLUS
Data Logging	RMAX-AXXD-AAXX	RMAP-XXDX-AAXX
Number of points	Up to 200 pre-defined log points (producers)	Any bus, any element, up to 2000 records
Log interval	1 - 3,600 seconds	1 - 86,400 seconds
Trigger	Variable 1	Always active
Header	Pre-defined	User-defined
Storage	4GB Class 4 MLC micro SDHC	16GB Class 10 pSLC micro SDHC
Format	User -defined (source, 0, 0.0, 0.00, 0.000)	User-defined (printf style)
Log file access	SD card via USB D MSC	SD card via USB D MSC
Firmware		
Object model	Fixed (uses decoder discovery)	User-defined
Configuration method	EZ-ZONE configurator via serial	Any software, any interface, AND .csv files via Excel
Profile restore	Yes	
Profile time	Yes	Not tested
Backup/restore	Yes	
USB D	MSC (1 LUN)	Composite device: MSC (3 LUNs) + VSC
NetBIOS name service		RMA-<Serial Number>
Port mirroring		Yes
Broadcast storm protection		Yes
Multicast storm protection		Yes
MAC filter		User-defined
HTTP server		Any bus, any element, up to 2000 records (read-only)
SNTP client		Yes
System configuration		Any bus, any element, up to 2000 records
Addressing		
LS Watbus	RMA slave (17) + fixed field bus master	Independent software master (7)
HS Watbus	RMA master (17) + fixed data log master	Independent software master (17)
Ethernet	Fixed, DHCP	Fixed, DHCP
Modbus® RTU	Slave (software)	Master (N/A) or Slave (software)
DeviceNet™	Software	Future
Software		
Dashboard	Serial	Ethernet, USB, Serial
EZ-ZONE® configurator	Serial	Serial
EZ-ZONE Composer	Serial	Ethernet, USB, Serial
LabVIEW	Serial	Ethernet, USB, Serial
Watbus DLL	Serial	Ethernet, USB, Serial
Firmware Updates	.exe via serial	MSC, Dashboard, or Watbus Flash Loader