

RTCU Comparison Chart 2017-2																																																			
Product Name	Microprocessor	Encapsulation Dimensions Length x Width x Height in mm	Encapsulation Type	Ingress Protection	NX32 Execution Architecture	On-board Ethernet	UMTS/HSPA engine (3G)	World-wide Quad Band GSM engine (2G)	Rail GSM-R	Dual SIM-card support	Gemalto M2M SIM chip prepared	RF ISM Communication (868 Mhz)	GNSS receiver with GPS/GLONASS/QZSS	SuperGPS	Dual GSM antenna (internal/external)	Interactive Voice Response (IVR) / DTMF	Number of Digital Input	Number of Digital Output (Solid State)	Number of Digital Output (Relay)	Number of Analog Input	Analog Input Resolution	Number of Analog Output	IEC62053-31 input support (S0)	I/O Expandable with MODBUS modules	Headset connector	1-Wire support (iButton, Temperature sensors etc.)	Number of DIP-Switches	Vibration sensor	Advanced 3D G-Sensor	Number of RS232 channels	Number of dedicated RS485 channels	Number of RS485 channels (shared with RS232)	Full CAN 2.0B Controller	Number of LED Indicators Total / User / System	Power Supply	Internal Battery back-up (nominal)	Advanced Power-management	Zero-power mode	SD-CARD with FAT32 file-system	Internal Flash-drive with FAT32 file-system	RAM Memory	System Flash memory	Digitized voice capacity	Storage for automatic datalogger	Persistent Dataflash	High Performance Persistent Memory (FRAM / VFRAM) (No Write Endurance Limitations)	Garmin Fleet Management / Navigation Enabled	Navigation and Messaging Platform support	Expandable with Bluetooth and Camera	Expandable with Wi-Fi / Ethernet	Graphical LCD-Display with keyboard
	ARM7 32 Bit 48 MHz																																																		
RTCU MX2 turbo	ARM7 32 Bit 48 MHz	91 x 31 x 131	Aluminum	IP30	•	-	•	-	•	•	-	•	•	•	-	•	5	4	-	2	12b	-	-	•	•	•	2	2	1	-	•	7/4/3	8-36V DC	2 Ah	•	-	•	8 MB	2 MB	4.5 MB	Limited by available space	1 MB	7.5 MB	20KB	•	•	•	•	•		
RTCU MX2 turbo-2G	ARM7 32 Bit 48 MHz	91 x 31 x 131	Aluminum	IP30	•	-	-	•	-	•	•	-	•	•	-	•	5	4	-	2	12b	-	-	•	•	•	2	2	1	-	•	7/4/3	8-36V DC	2 Ah	•	-	•	8 MB	2 MB	4.5 MB	Limited by available space	1 MB	7.5 MB	20KB	•	•	•	•	•		
RTCU MX2 encore <i>with all on-demand options.</i>	ARM7 32 Bit 48 MHz	91 x 31 x 131	Aluminum	IP30	•	-	-	•	-	•	•	-	•	•	-	•	5	4	-	2	12b	-	-	•	-	•	-	•	•	1	1	-	•	7/4/3	8-36V DC	2 Ah	•	-	-	4 MB	2 MB	4.5 MB	Limited by available space	1 MB	3.5 MB	20KB	•	-	•	•	•
RTCU CX1 warp 3G <i>with all on-demand options.</i>	ARM7 32 Bit 48 MHz	92x 30 x 58	Plastic	IP66	-	-	•	-	-	-	•	•	•	•	-	-	2	2	-	1	10b	-	-	-	-	•	-	•	•	1	-	-	5/2/3	8-36V DC	0.9 Ah	•	-	•	4 MB	1 MB	2.2 MB	-	1 MB	3.5 MB	8KB	•	-	-	-	-	
RTCU CX1 warp-c 3G <i>with all on-demand options.</i>	ARM7 32 Bit 48 MHz	92x 30 x 58	Plastic	IP66	-	-	•	-	-	-	•	•	•	•	-	-	2	2	-	1	10b	-	-	-	-	-	•	•	-	-	-	•	5/2/3	8-36V DC	0.9 Ah	•	-	•	4 MB	1 MB	2.2 MB	-	1 MB	3.5 MB	8KB	-	-	-	-	-	
RTCU DX4i pro-2G	ARM7 32 Bit 48 MHz	157 x 58 x 86	M36 DIN (plastic)	IP20	-	-	-	•	-	-	•	-	-	-	-	•	8	8	-	4	12b	4	•	•	-	•	3	-	-	2	1	1	•	7/4/3	8-36V DC	2 Ah	•	-	•	4 MB	1 MB	2.2 MB	182 sek.	1 MB	3.5 MB	8KB	-	-	•	•	•
RTCU DX4i pro-3G	ARM7 32 Bit 48 MHz	157 x 58 x 86	M36 DIN (plastic)	IP20	-	-	•	-	-	-	•	-	-	-	-	•	8	8	-	4	12b	4	•	•	-	•	3	-	-	2	1	1	•	7/4/3	8-36V DC	2 Ah	•	-	•	4 MB	1 MB	2.2 MB	182 sek.	1 MB	3.5 MB	8KB	-	-	•	•	•
RTCU DX4i warp <i>with all on-demand options.</i>	ARM7 32 Bit 48 MHz	157 x 58 x 86	M36 DIN (plastic)	IP20	-	-	-	•	-	-	•	-	-	-	-	•	8	8	-	4	10b	4	•	•	-	•	-	-	-	1	1	-	-	7/4/3	8-36V DC	1 Ah	•	-	-	4 MB	1 MB	2.2 MB	-	1 MB	3.5 MB	8KB	-	-	-	-	-
RTCU AX9 turbo	ARM7 32 Bit 48 MHz	130 x 180 x 50	Plastic	IP65	•	•	•	-	-	-	•	•	-	-	•	•	5	-	4	4	12b	4	•	•	-	•	4	-	-	2	1	1	-	7/4/3	8-36V DC 100-260VAC	2 Ah	•	-	•	8 MB	2 MB	4.5 MB	Limited by available space	1 MB	7.5 MB	20KB	•	-	•	-	-
RTCU AX9 encore <i>with RS485 on-demand option.</i>	ARM7 32 Bit 48 MHz	130 x 180 x 50	Plastic	IP65	•	-	-	•	-	-	•	-	-	-	•	•	5	-	4	2	12b	-	•	•	-	•	4	-	-	1	-	1	-	7/4/3	8-36V DC 100-260VAC	1 Ah	•	-	•	4 MB	2 MB	4.5 MB	Limited by available space	1 MB	3.5 MB	20KB	-	-	-	-	-
RTCU SX1 series	ARM7 32 Bit 48 MHz	175 x 42/54 x 126	Plastic	IP65	-	-	-	•	•	-	•	•	-	•	•	-	2	2	-	2	10b	-	-	-	-	•	4	•	•	1	-	-	-	5/2/3	8-36V DC	Up to 58 Ah	•	•	•	0.5 MB	1 MB	2.2 MB	-	0.5 MB	0.5 MB	8KB	•	-	-	-	-