RTCU Product Matix 2020-9

Product Name	Microprocessor	Encapsulation Dimensions Length x Width x Height in mm	Encapsulation Type	Ingress Protection	NX32L Execution Architecture (Linux)	NX32 Execution Architecture	Platform SDK for user programs/modules in C	On-board Ethernet	On-board Wi-Fi	On-board Bluetooth Classic and Bluetooth LE	LTE Cat.4 Full-Band Cellular Engine (World-Wide)	LTE Cat.4 Multi-Band Cellular Engine (EMEA)	LTE Cat.1 Multi-Band Cellular Engine (EMEA)	LTE Cat. M1 / Cat. NB1 (IoT)	UMTS/HSPA engine (3G)	Quad Band GSM engine (2G)	Dual SIM-card support	Gemalto eSIM compatible	RF ISM Communication (868 Mhz)	Optional Wireless: M-Bus, Zigbee and KNX	GNSS receiver with GPS/GLONASS/QZSS/GALILEO	GNSS receiver with GPS/GLONASS/QZSS	Dual cellular 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 Flex Input (configurable analog/digital)	Number of Analog Output	Analog Output Resolution	IEC62053-31 input support (S0)	I/O Expandable with MODBUS modules	Headset connector	Digitial Audio with Speaker/Microphone or Line-out	1-Wire support (iButton, Temperature sensors etc.)	Number of user DIP-Switches	Full motion sensor suite - accelerometer/gyroscope/magnetometer	Advanced 3D G-Sensor/Accelerometer	Number of RS232 channels	Number of dedicated RS485 channels	Number of RS485 channels (shared with RS232)	Full CAN 2.0B Controller	USB Host port for expansion (GPS,LAN,Camera,RFID,etc)	Power Supply	Internal Battery back-up (nominal)	Advanced Power-management	SD-CARD with FAT32 file-system	Internal Flash-drive	RAM Memory	System Flash memory	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	LCD Touch screen with 240x160 pixels	Graphical LCD-Display with keyboard
RTCU NX-200	Cortex-A5 32 Bit 500 MHz	148 x 34 x 122 (w/o flange)	Aluminum	IP20	•	-	•	•	•	•	•	-	-	-	-	-	-	•	•	-	-	•	-	-	•	5	4	-	2	12b	4	-	-	-	•	-	•	•	2	•	-	2	1	-	2	2	8-36VDC	2.6 Ah	•	•	up-to 512 MB	128 MB	528 MB	1 MB	7.5 MB	20KB	•	•	-	-
RTCU NX-400	Cortex-A5 32 Bit 500 MHz	160 x 89 x 54	9M DIN (plastic)	IP20	•	-	•	•	•	•	-	-	-	-	•	-	-	•	-	•	-	-	-	-	•	8	8	-	4	12b	-	4	12b	•	•	-	•	•	3	-	-	2	2	-	1	1	8-36VDC	2 Ah	-	•	up-to 512 MB	128 MB	528 MB	1 MB	7.5 MB	20KB	-	-	•	-
RTCU NX-400 LE	Cortex-A5 32 Bit 500 MHz	160 x 89 x 54	9M DIN (plastic)	IP20	•	-	•	•	•	•	-	•	-	-	-	-	-	•	-	•	-	-	-	-	•	8	8	-	4	12b	-	4	12b	•	•	-	•	•	3	-	-	2	2	-	1	1	8-36VDC	2 Ah	-	•	up-to 512 MB	128 MB	528 MB	1 MB	7.5 MB	20KB	-	-	•	-
RTCU NX-900	Cortex-A5 32 Bit 500 MHz	130 x 180 x 50	Plastic	IP65	•	-	•	•	•	•	•	-	-	-	-	-	-	•	•	-	-	•	-	-	•	5	-	4	4	12b	-	4	12b	•	•	-	-	•	3	-	-	2	2	-	-	-	8-36VDC 100-260VAC	2 Ah	•	•	up-to 512 MB	128 MB	528 MB	1 MB	7.5 MB	20KB	-	-	-	-
RTCU NX-910	Cortex-A5 32 Bit 500 MHz	130 x 180 x 50	Plastic	IP65	•	-	•	•	-	-	-	-	•	-	-	-	-	•	-	-	-	-	-	-	•	5	-	4	2	12b	-	-	-	•	•	-	-	•	3	-	-	2	2	-	-	-	8-36VDC 100-260VAC	1 Ah	•	•	up-to 512 MB	128 MB	528 MB	1 MB	7.5 MB	20KB	-	-	-	-
RTCU MX2 turbo LTE	ARM7 32 Bit 48 MHz	91 x 31 x 131	Aluminum	IP30		•	-	-	-	-	-	-	•	-	-	-	•	•	-	-	•	-	-	•	5	4	-	2	12b	-	-	-	-	•	-	-	•	2	-	•	2	1	-	1	-	8-36VDC	2 Ah	•	•	8 MB	2 MB	4.5 MB	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	-	1	-	8-36VDC	2 Ah	•	•	8 MB	2 MB	4.5 MB	1 MB	7.5 MB	20KB	•	•	-	-
RTCU MX2 encore *with all on-demand options.*	ARM7 32 Bit 48 MHz	91 x 31 x 131	Aluminum	IP30		•	-	-	-	-	-	-	-	-	-	•	•	•	-	-	-	•	-	•	5	4	-	2	12b	-	-	-	-	•	-	-	•	-	-	•	1	1	-	1	-	8-36VDC	2 Ah	•	-	4 MB	2 MB	4.5 MB	1 MB	3.5 MB	20KB	•	-	-	-
RTCU CX1 warp 3G *with all on-demand options.*	ARM7 32 Bit 48 MHz	92x 30 x 58	Plastic	IP66			-	-	-	-	-	-	-	-	•	-	-	•	•	-	-	•	-	-	2	2	-	1	10b	-	-	-	-	-	-	-	•	-	-	•	1	-	-	-	-	8-36VDC	0.9 Ah	•	•	4 MB	1 MB	2.2 MB	1 MB	3.5 MB	8KB	•	-	-	-
RTCU CX1 warp-c 3G with all on-demand options.	ARM7 32 Bit 48 MHz	92x 30 x 58	Plastic	IP66			-	-	-	-	-	-	-	-	•	-	-	•	•	-	-	•	-	-	2	2	-	1	10b	-	-	-	-	-	-	-	-	-	-	•	-	-	-	1	-	8-36VDC	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	10b	•	•	-	-	•	3	-	-	2	1	1	1	-	8-36VDC	2 Ah	•	•	4 MB	1 MB	2.2 MB	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	10b	•	•	-	-	•	3	-	-	2	1	1	1	-	8-36VDC	2 Ah	•	•	4 MB	1 MB	2.2 MB	1 MB	3.5 MB	8KB	-	-	-	•
RTCU DX4i pro-LTE	ARM7 32 Bit 48 MHz	157 x 58 x 86	M36 DIN (plastic)	IP20			-	-	-	-	-	-	-	•	•	-	-	•	-	-	-	-	-	-	8	8	-	4	12b	-	4	10b	•	•	-	-	•	3	-	-	2	1	1	1	-	8-36VDC	2 Ah	•	•	4 MB	1 MB	2.2 MB	1 MB	3.5 MB	8KB	-	-	-	•
RTCU AX9 encore with RS485 on-demand option.	ARM7 32 Bit 48 MHz	130 x 180 x 50	Plastic	IP65		•	-	-	-	-	-	-	-	-	-	•	-	•	-	-	-	-	•	•	5	-	4	2	12b	-	-	-	•	•	-	-	•	3	-	-	1	-	1	-	-	8-36VDC 100-260VAC	1 Ah	•	•	4 MB	2 MB	4.5 MB	1 MB	3.5 MB	20KB	-	-	-	-