RTCU Product Matix 2021-4

Product Name	Execution Architecture	Microprocessor	Encapsulation Dimensions Length x Width x Height in mm	Encapsulation Type	Ingress Protection	Platform SDK for user programs/modules in C	On-board Ethernet	On-board WLAN	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 Untethered Dead Reckoning (UDR)	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	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 LX5 pro	**NX32L**	Cortex-A7 32 Bit 1 GHz	105 x 35 x 85	Plastic	IP30	•	•	•	-	-	•	-	-	-	-	-	•	•	-	•	-	-	•	3	4	-	3	-	-	-	-	•	-	-	•	-	-	•	1	1	-	1	•	8-36VDC	2 Ah	•	•	up to 128 MB	128 MB	512 MB	up to 32 MB	7.5 MB	20 KB	•	•	-	-
RTCU LX5 eco	**NX32L**	Cortex-A7 32 Bit 1 GHz	105 x 35 x 85	Plastic	IP30	•	-	-	-	-	-	•	-	-	-	-	•	•	-	•	-	-	•	3	2	-	-	3	-	-	-	•	-	-	•	-	-	•	1	1	-	1	•	8-36VDC	1 Ah	•	•	up to 64 MB	128 MB	512 MB	up to 32 MB	7.5 MB	20 KB	•	•	-	-
RTCU NX-200	**NX32L**	Cortex-A5 32 Bit 500 MHz	148 x 34 x 122 (w/o flange)	Aluminum	IP20	•	•	•	•	•	-	-	-	-	-	•	•	-	-	•	-	-	•	5	4	-	2	4	-	-	-	•	-	•	•	2	•	-	2	1	-	2	2	8-36VDC	2.6 Ah	•	•	up to 512 MB	128 MB	528 MB	up to 32 MB	7.5 MB	20 KB	•	•	-	-
RTCU NX-400	**NX32L**	Cortex-A5 32 Bit 500 MHz	160 x 89 x 54	9M DIN (plastic)	IP20	•	•	•	•	-	-	-	-	•	-	-	•	-	•	-	-	-	•	8	8	-	4	-	4	12b	•	•	-	•	•	3	-	-	2	2	-	1	1	8-36VDC	2 Ah	-	•	up to 512 MB	128 MB	528 MB	up to 32 MB	7.5 MB	20 KB	-	-	•	-
RTCU NX-400 LE	**NX32L**	Cortex-A5 32 Bit 500 MHz	160 x 89 x 54	9M DIN (plastic)	IP20	•	•	•	•	-	•	-	-	-	-	-	•	-	•	-	-	-	•	8	8	-	4	-	4	12b	•	•	-	•	•	3	-	-	2	2	-	1	1	8-36VDC	2 Ah	-	•	up to 512 MB	128 MB	528 MB	up to 32 MB	7.5 MB	20 KB	-	-	•	-
RTCU NX-900	**NX32L**	Cortex-A5 32 Bit 500 MHz	130 x 180 x 50	Plastic	IP65	•	•	•	•	•	-	-	-	-	-	-	•	•	-	•	-	-	•	5	-	4	4	-	4	12b	•	•	-	-	•	3	-	-	2	2	-	-	-	8-36VDC 100-260VAC	2 Ah	•	•	up to 512 MB	128 MB	528 MB	up to 32 MB	7.5 MB	20 KB	-	-	-	-
RTCU NX-910	**NX32L**	Cortex-A5 32 Bit 500 MHz	130 x 180 x 50	Plastic	IP65	•	•	-	-	-	-	•	-	-	-	-	•	-	-	-	-	-	•	5	-	4	2	-	-	-	•	•	-	-	•	3	-	-	2	2	-	-	-	8-36VDC 100-260VAC	1 Ah	•	•	up to 512 MB	128 MB	528 MB	up to 32 MB	7.5 MB	20 KB	-	-	-	-
RTCU MX2 turbo LTE	**NX32**	ARM7 32 Bit 48 MHz	91 x 31 x 131	Aluminum	IP30	-	-	-	-	-	-	•	-	-	-	•	•	-	-	•	-	-	-	5	4	-	2	-	-	-	-	•	-	-	•	2	-	•	2	1	-	1	-	8-36VDC	2 Ah	•	•	8 MB	2 MB	4.5 MB	1 MB	7.5 MB	20 KB	•	•	-	-
RTCU MX2 turbo LTE-U	**NX32**	ARM7 32 Bit 48 MHz	91 x 31 x 131	Aluminum	IP30	-	-	-	-	-	-	•	-	-	-	•	•	-	-	-	•	-	-	5	4	-	2	-	-	-	-	•	-	-	•	2	-	•	2	1	-	1	-	8-36VDC	2 Ah	•	•	8 MB	2 MB	4.5 MB	1 MB	7.5 MB	20 KB	•	•	-	-
RTCU MX2 warp with all on-demand options.	**NX32**	ARM7 32 Bit 48 MHz	91 x 31 x 131	Aluminum	IP30	-	-	-	-	-	-	-	-	-	•	•	•	-	-	•	-	-	•	5	4	-	2	-	-	-	-	•	•	-	•	2	-	•	2	1	-	1	-	8-36VDC	2 Ah	•	•	8 MB	2 MB	4.5 MB	1 MB	7.5 MB	20 KB	•	•	-	-
RTCU CX1 warp 3G with all on-demand options.	**X32**	ARM7 32 Bit 48 MHz	92x 30 x 58	Plastic	IP66	-	-	-	-	-	-	-	-	•	-	-	•	•	-	•	-	-	-	2	2	-	1	-	-	-	-	-	-	-	•	-	-	•	1	-	-	-	-	8-36VDC	0.9 Ah	•	•	4 MB	1 MB	2.2 MB	1 MB	3.5 MB	8 KB	•	-	-	-
RTCU CX1 warp-c 3G with all on-demand options.	**X32**	ARM7 32 Bit 48 MHz	92x 30 x 58	Plastic	IP66	-	-	-	-	-	-	-	-	•	-	-	•	•	-	•	-	-	-	2	2	-	1	-	-	-	-	-	-	-	-	-	-	•	-	-	-	1	-	8-36VDC	0.9 Ah	•	•	4 MB	1 MB	2.2 MB	1 MB	3.5 MB	8 KB	-	-	-	-
RTCU DX4i pro-2G	**X32**	ARM7 32 Bit 48 MHz	157 x 58 x 86	M36 DIN (plastic)	IP20	-	-	-	-	-	-	-	-	-	•	-	•	-	-	-	-	-	•	8	8	-	4	-	4	10b	•	•	-	-	•	3	-	-	2	1	1	1	-	8-36VDC	2 Ah	•	•	4 MB	1 MB	2.2 MB	1 MB	3.5 MB	8 KB	-	-	-	•
RTCU DX4i pro-3G	**X32**	ARM7 32 Bit 48 MHz	157 x 58 x 86	M36 DIN (plastic)	IP20	-	-	-	-	-	-	-	-	•	-	-	•	-	-	-	-	-	-	8	8	-	4	-	4	10b	•	•	-	-	•	3	-	-	2	1	1	1	-	8-36VDC	2 Ah	•	•	4 MB	1 MB	2.2 MB	1 MB	3.5 MB	8 KB	-	-	-	•
RTCU DX4i pro-LTE	**X32**	ARM7 32 Bit 48 MHz	157 x 58 x 86	M36 DIN (plastic)	IP20	-	-	-	-	-	-	-	•	•	-	-	•	-	-	-	-	-	-	8	8	-	4	-	4	10b	•	•	-	-	•	3	-	-	2	1	1	1	-	8-36VDC	2 Ah	•	•	4 MB	1 MB	2.2 MB	1 MB	3.5 MB	8 KB	-	-	-	•