RTCU Product Matix 2026-11											
	NX-200+	**NX-200 DR+**	**NX-400 evo**	**NX-900**	**LX2 pro**	**LX4 pro**	**LX5 ultra**	**LX5 core**	**LX9 eco**	**LX9 pro**	**MX2 turbo LTE**
Execution Architecture	**NX32L**	**NX32L**	**NX32L**	**NX32L**	**NX32L**	**NX32L**	**NX32L**	**NX32L**	**NX32L**	**NX32L**	**NX32**
Microprocessor	Cortex-A5 32 Bit, 500 MHz	Cortex-A5 32 Bit, 500 MHz	Cortex-A5 32 Bit, 500 MHz	Cortex-A5 32 Bit, 500 MHz	Cortex-A7 32 Bit, 1 GHz	Cortex-A7 32 Bit, 1 GHz	Cortex-A7 32 Bit, 1 GHz	Cortex-A7 32 Bit, 1 GHz	Cortex-A7 32 Bit, 1 GHz	Cortex-A7 32 Bit, 1 GHz	ARM7 32 Bit, 48 MHz
Encapsulation Dimensions (LxWxH) in mm	148 x 34 x 122 (w/o flange)	148 x 34 x 122 (w/o flange)	160 x 89 x 54	130 x 180 x 50	97 x 35 x 132	157 x 58 x 86	105 x 35 x 85	105 x 35 x 85	130 x 180 x 50	130 x 180 x 50	97 x 35 x 132
Encapsulation Type	Aluminum	Aluminum	9M DIN (plastic)	Plastic	Aluminum	M36 DIN (plastic)	Plastic	Plastic	Plastic	Plastic	Aluminum
Ingress Protection	IP20	IP20	IP20	IP65	IP30	IP20	IP30	IP30	IP65	IP65	IP30
RTCU M2M Platform SDK	●	●	●	●	●	●	●	●	●	●	-
Ethernet / LAN	●	●	●	●	-	●	●	-	-	●	-
WLAN / Wi-Fi	●	●	●	●	-	-	●	-	-	●	-
BLE 5.3 (Bluetooth)	-	-	-	-	●	-	-	-	●	●	-
Bluetooth Classic and Bluetooth LE	●	●	●	●	-	-	-	-	-	opt	-
LTE Cat.4 Cellular Engine (Worldwide)	●	●	●	●	●	●	●	-	-	●	-
LTE Cat.4 Cellular Engine (EMEA)	-	-	-	-	-	-	-	-	-	-	-
LTE Cat.1 Cellular Engine (EMEA)	-	-	-	-	-	-	-	●	●	-	●
Dual SIM-card support	●	●	-	-	●	-	-	-	-	-	●
Gemalto eSIM compatible	●	●	●	●	●	●	●	●	●	●	●
RF ISM Communication (868 Mhz)	-	-	-	●	-	-	●	●	-	-	-
Optional: M-Bus, Zigbee and KNX	-	-	●	-	-	-	-	-	-	-	-
Dual-Band L1+L5 Multi-Constellation GNSS	-	-	-	-	●	-	-	-	-	-	-
GNSS receiver (GPS/GLONASS/GALILEO)	●		-	●	-	-	●	●	-	●	●
GNSS receiver with Dead Reckoning	-	●	-	-	-	-	-	-	-	-	-
Interactive Voice Response (IVR)/DTMF	●	●	●	●	●	●	●	●	●	●	-
Number of Digital Input	5	5	8	5	6	8	3	3	5	5	5
Number of Digital Output (Solid State)	4	4	8	-	4	8	4	2	-	-	4
Number of Digital Output (Relay)	-	-	-	4	-	-	-	-	4	4	-
Number of Analog Input	2	2	4	4	2	4	3	-	2	4	2
Analog INput Resolution	12b	12b	12b	12b	12b	12b	12b	12b	12b	12b	12b
Number of Flex Input	4	4	-	-	2	-	-	3	-	-	-
Number of Analog Output	-	-	4	4	-	2	-	-	-	4	-
Analog Output Resolution	-	-	12b	12b	-	10b	-	-	-	12b	-
IEC62053-31 input support (S0)	-	-	●	●	-	●	-	-	●	●	-
I/O Expandable with MODBUS modules	●	●	●	●	●	●	●	●	●	●	●
Digitial Audio.Speaker/Mic/Line-out	●	●	●	-	-	-	-	-	-	-	-
1-Wire support	●	●	●	●	●	●	●	●	●	●	●
Number of user DIP-Switches	2	2	3	3	2	3	-	-	3	3	2
Full motion sensor suite: accelerometer / gyro / magnetometer	●	●	-	-	-	-	-	-	-	-	-
3D Accelerometer/Gyroscope	-	-	-	-	●				-	-	
Advanced 3D Accelerometer	-	-	-	●	-	-	●	●	-	●	●
Number of RS232 channels	2	2	2	2	2	1	1	1	2	2	2
Number of dedicated RS485 channels	1	1	2	2	1	2	1	1	2	2	1
Wired M-Bus with opt. Wireless M-Bus	-	-	-	-	-	●	-	-	-	-	-
Full CAN 2.0B Controller	2	2	1	-	2	-	1	1	-	-	1
USB Host port for expansion	2	2	1	-	-	-	-	-	-	-	-
Power Supply - DC	8-36VDC	8-36VDC	8-36VDC	8-36VDC	8-36VDC	8-36VDC	8-36VDC	8-36VDC	8-36VDC	8-36VDC	8-36VDC
Power Supply - AC	-	-	-	100-250VAC	-	-	-	-	100-250VAC	100-250VAC	-
Internal Battery back-up (nominal)	2.6 Ah	2.6 Ah	2 Ah	2 Ah	2 Ah	2 Ah	2 Ah	1 Ah	1 Ah	2 Ah	2 Ah
Advanced Power-management	●	●	-	●	●	●	●	●	●	●	●

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	NX-200+	NX-200 DR+	NX-400 evo	NX-900	LX2 pro	LX4 pro	LX5 ultra	LX5 core	LX9 eco	LX9 pro	MX2 turbo LTE
SD-CARD with FAT32 file-system	•	•	•	•	-	•	•	•	•	-	•
Internal Flash-drive	up to 512 MB	up to 512 MB	up to 512 MB	up to 512 MB	Total: 4 GB	up to 64 MB	up to 64 MB	up to 64 MB	up to 64 MB	Total: 4 GB	8 MB
RAM Memory	128 MB	128 MB	128 MB	128 MB	128 MB	128 MB	128 MB	128 MB	128 MB	128 MB	2 MB
System Flash memory	528 MB	528 MB	528 MB	528 MB	512 MB	256 MB	512 MB	512 MB	512 MB	512 MB	4.5 MB
Storage for automatic datalogger	up to 32 MB	up to 32 MB	up to 32 MB	up to 32 MB	up to 32 MB	up to 32 MB	up to 32 MB	up to 32 MB	up to 32 MB	up to 32 MB	1 MB
FRAM / SRAM persistent memory	25 KB	25 KB	25 KB	25 KB	25 KB	25 KB	25 KB	25 KB	25 KB	25 KB	20 KB
Garmin Fleet Management / Navigation	•	•	-	-	•	-	•	•	-	-	•
Navigation and Messaging Platform	•	•	-	-	•	-	•	•	-	-	•
LCD Touch screen with 240x160 pixels	-	-	•	-	-	-	-	-	-	-	-
Graphical LCD-Display with keyboard	-	-	-	-	-	•	-	-	-	-	-