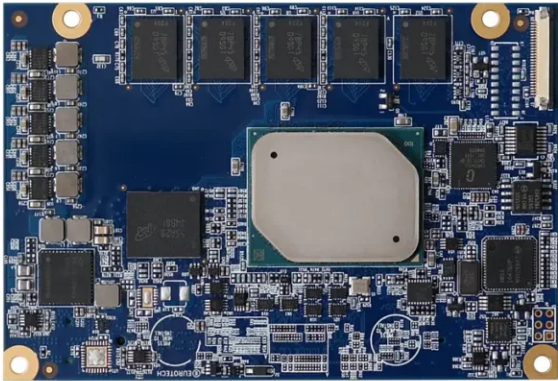




Features

Description

Customization options include:

- Custom & Standard Single Board Computers (SBCs)
- Custom & Standard Computer on Module (COMs)
- Carrier Board design
- Additional wired and wireless interfaces
- Specialized I/O configurations
- Cellular, GNSS, Wi-Fi, Bluetooth and LPWAN integration
- Mechanical design
- Circuit and thermal simulations
- Security-enhanced hardware architectures
- Custom power management solutions
- Long-term lifecycle management

By combining proven Eurotech technologies with customer-specific requirements, we deliver reliable, manufacturable, and scalable solutions that balance performance, security, and long-term availability.

From concept to production, just contact us.

Embedded Custom Board				
Hardware Configuration (-xx)		-03	-06	-08
PROCESSOR	CPU	i.MX 8M Plus QuadLite Quad Cortex-A53 @1.6 GHz, 1x M7 Cortex-M7 @800MHz		
MEMORY	RAM	4GB LPDDR4		
STORAGE	Embedded	32GB eMMC		
I/O INTERFACES	Ethernet	2x 10/100/1000 Mbps - RJ-45		
	USB	2x 3.0 (5Gbps) Host (Noise and Surge Protected) - Type A		
	Serial	1x RS-232/422/485 (Not Isolated, SW Termination Resistor & Mode Selection)	1x RS-232/422/485 (Not Isolated, SW Termination Resistor & Mode Selection), 1x RS-232/422/485 (1 kV Isolated, SW Termination Resistor & Mode Selection)	
	CANBus	1x CAN-FD, Protected and Isolated, with SW Termination and Fail-safe Resistors	2x CAN-FD, Protected and Isolated, with SW Termination and Fail-safe Resistors	

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When off-the-shelf isn't enough, we customize to your requirements -

Digital Input	2x Digital Input 0-36V Input Range, 1kV Isolated	2x Digital Input 0-36V Input Range, 1kV; 4x Digital IN – 0-36V Input Range, 5kV (2.7kV RMS) Optoisolated		
Digital Output	2x Digital Output (40VAC/DC), 500mA Sink, 1KHz Max Switching Isolated	2x Digital Output (40VAC/DC), 500mA Sink, 1KHz Max Switching; 3x Digital Out – 5kV (2.7kV RMS) Optoisolated		
Analog In	-	4x Single-ended, 0-36V, 12-bit, Isolated; Factory Option: 4-20mA Current Loop Compatibility		
Video Out	1x HDMI Video Output (v1.4/v2.0 spec; supports 4Kp30 video resolution)			
RADIO INTERFACES	Cellular	4G LTE Cat 4 Global	-	4G LTE Cat 4 Global
	SIM/eSIM	1x microSIM (User Accessible); Option: 1x eSIM (\$)	-	1x microSIM (User Accessible); Option: 1x eSIM (\$)
	GNSS	GPS, GLONASS, BeiDou, Galileo, QZSS	-	GPS, GLONASS, BeiDou, Galileo, QZSS
	Wi-Fi/BT	-	802.11 a/b/g/n/ac (2.4GHz, 5GHz) - BLE5 (2.4GHz)	
	Antennas	2x SMA Cellular, 1x SMA GNSS	1x RP-SMA Wi-Fi/BT	2x SMA Cellular, 1x RP-SMA Wi-Fi/BT, 1x SMA GNSS
OTHER	RTC	Yes (SuperCAP Backup)		
	Ext. Watchdog	Yes (Independent Watchdog)		
	EEPROM	256 Kbit		
	Sensors	Temperature		
	LED	1x Power, 1x Cellular, 4x User Configurable	1x Power, 4x User Configurable	1x Power, 1x Cellular, 4x User Configurable
	Buttons	1x Reset Button and 1x Programmable Button		
CYBER (HW)	TPM	TPM 2.0		
	Anti-Tamper	Yes, Always-on Physical Tampering Monitoring, Reporting and Event Logging with Time Stamping; TrustZone Architecture		
POWER	Input	Nominal: 12 or 24 VDC; Range: 9 to 30 VDC with Transient Protection, Ignition Key Sense		
	Consumption	3.5W Idle (7.5W Typ.)		
ENVIRONMENT	Operating Temp	-25 to +70°C, Fanless		
	Storage Temp	-40 to +85°C		
	Humidity	RH 5...95% Operating Non Condensing (40°C)		

Embedded Custom Board				
Hardware Configuration (-xx)		-03	-06	-08
CERTIFICATIONS	Regulatory	CE, FCC, ISED, JATE/TELEC		
	Safety	CB, IEC 62368-1, cULus Mark, Designed to be Compliant with ANSI-UL 62368-1		
	Cybersecurity	EN 18031-1 (RED-DA) - Off-the-shelf Compliance		
	Radio	RED		
	Cellular Carriers	PTCRB, AT&T, Verizon, T-Mobile (\$), Rogers (\$), Telus (\$), SoftBank (\$), KDDI (\$), NTT DoCoMo (\$)	-	PTCRB, AT&T, Verizon, T-Mobile (\$), Rogers (\$), Telus (\$), SoftBank (\$), KDDI (\$), NTT DoCoMo (\$)
	Environmental	ROHS3, REACH		
	Ingress	IP40		
MECHANICAL	Enclosure	Material: Aluminium - Color: Dark Grey/Purple		
	Dimensions	117x60x132mm (LxWxH) - Excluding Connectors, DIN Bar Mounting Bracket		
	Weight	< 0.7 kg (depending on configuration)		

§ Contact Eurotech

Embedded Custom Board					
Software Configuration (-yy)		-02	-03	-04	-09 -10
OS	Eurotech Everywhere Linux	Yes			
IOT FRAMEWORK	Everyware Software Framework (Includes Zero-Touch-Provisioning)(*)	-	Yes		

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SUITE and SERVICES	Everyware GreenEdge (EGE)	-	Yes	-	Yes
SOFTWARE HARDENING	Hardening	-		Yes	
CERTIFICATIONS	Cybersecurity	-		ISASecure/IEC 62443-4-1/-4-2 SL2 Host†	
	IoT Platform	-	AWS IoT Core, AWS IoT GreenGrass	-	AWS IoT Core, AWS IoT GreenGrass

* Requires Everyware Cloud

† additional Professional Service might be required depending on customer requirements