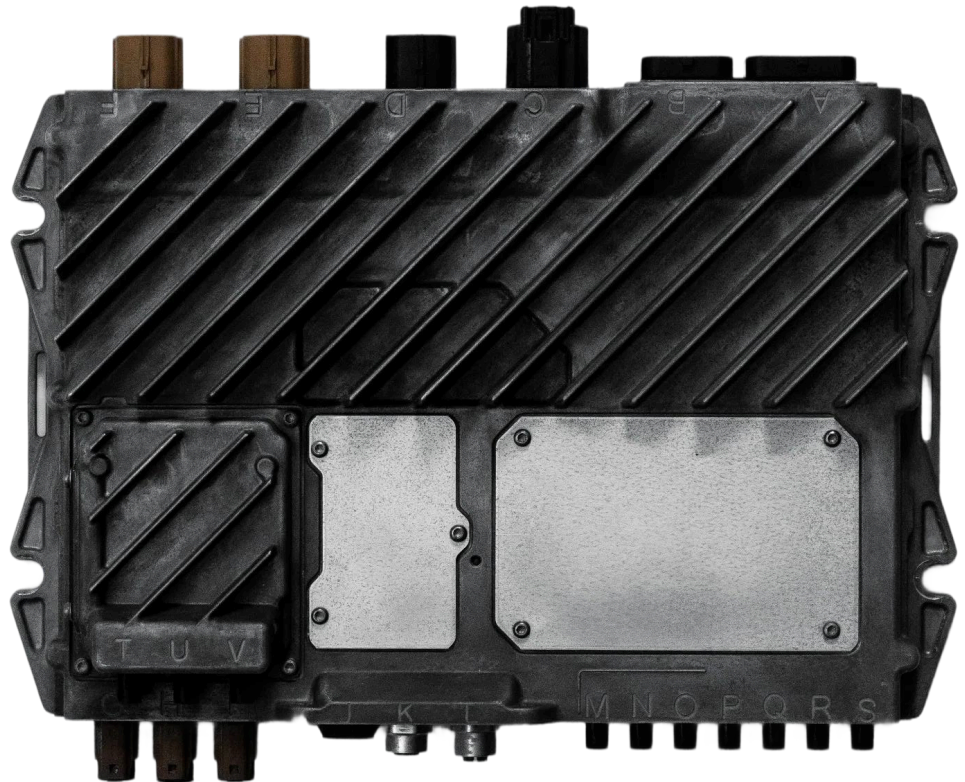




Bridge ECU



The foundation of your onboard experience.

The Marivue Bridge ECU brings navigation, entertainment, communication and vessel systems together in one central computing platform. With powerful processing, support for multiple displays and flexible integration, it gives boatbuilders the freedom to shape an onboard experience around their brand and each boat's configuration. A rugged, sealed design and support for over the air updates provide a foundation that can evolve with new features and functionality.

Multiple communications
interfaces

Supports 12V and 24V
systems

Touch screen support

Multiple Camera support

General specifications

Power

SUPPLY VOLTAGE	12/24V
RATED CURRENT 12V/24V	10A / 5A

Vessel interfaces

BROADR-REACH HSD	3x 100BASE-T1
CAN & FD	5x
NMEA 2000	1x
LIN	2x

Operating system

ANDROID AUTOMOTIVE	12.1
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Memory and storage

RAM	6 GB
INTERNAL STORAGE	64 GB

Network

ETHERNET M12 D	1x 100BASE-TX
ETHERNET M12 X	1x 1000BASE-TX
WIFI	802.11 a/b/g/n/ac
BLUETOOTH	5.0

CPU and GPU

Qualcomm Snapdragon SA8155P Android Processor	
Custom Qualcomm Adreno Generation 6 GPU	
64-bit Kryo octa-core system based on ARMv8	

Dedicated NXP CPU

NXP 5746	
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Physical

DIMENSIONS (W x D x H)	350 x 70 x 300mm
WEIGHT	< 3 kg

Connectors

SUPERSEAL	34 & 26 PIN
USB-C	Supports DisplayPort
HSAL-2	2x FPD-Link, 2x USB 3.1 (5Gbit/s)
FAKRA	2x BT / Wi-Fi, 1x AM / FM / DAB, 2x LTE, 1x GNSS / GPS, 4x Cameras

Environmental

OPERATING TEMPERATURE	-40°C ≤ T ≤ 85°C
COOLING	Fanless design
ENCLOSURE PROTECTION	IP67

I/Os

RELAY DRIVER	2x
BUTTON INPUTS	4x
THROTTLE INPUTS	1x (with 5V supply)
FUEL LEVEL INPUTS	2x
LINE OUT	2 Channel DAC
DIGITAL INPUT	6x
OUTPUT	1x max 5A

Regulations and standards

Compliant with Radio Equipment Directive 2014/53/EU and EMC Directive 2014/30/EU.

Meets application-specific requirements for marine,

Homologation approved in 60+ countries and deployed across each continent.

More specific information regarding approvals upon request.

EMC

ISO 13766-1:2018
ISO 14982:2009
ISO 25197
IEC 60945
RED 2014/53/EU

UN ECE R10 Ready

IACS E10
ISO 25197:2012
IEC 60945
ABYC P-27
ABYC P-28
ABYC E-11

Vibration

IEC 60068-2-64
IEC 60068-2-14
IEC 60068-2-6
IEC 60060-2-6
IEC 60068-2-27