Datasheet

Marlin+
Product no. B11P and B11PA



Wireless central monitoring and control unit
Designed for RAS, ponds, sea cages and shrimp farms

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Intended use

The OxyGuard Marlin⁺ is designed for continuous monitoring of key water quality parameters in all types of aquaculture installations. It serves as a central unit for connecting and managing OxyGuard probes and related equipment, providing reliable wireless communication and seamless integration with the Cobália platform.

Marlin⁺ Standard is intended for monitoring, offering accurate and continuous measurement of water quality parameters.
Marlin⁺ Advanced is intended for monitoring and control, adding expanded functionality for managing processes such as aeration, feeding, alarm handling and other automated tasks.
Both versions share the same physical design, and Marlin⁺ Standard can be upgraded to Marlin⁺ Advanced at any time.

Technical specifications	Marlin⁺ STANDARD	Marlin⁺ ADVANCED
Probe channels	1 digital or analog probe	2 × digital or 1 × analogue + 1 × digital probe
4–20 mA I/O	1 × galvanically isolated 4–20 mA I/O channel	Up to 4 × galvanically isolated 4–20 mA I/O channels
Digital I/O	-	Up to 4 × configurable digital I/O channels
Relay	1 × alarm or probe cleaning relay	4 × configurable relays + 1 × alarm or probe cleaning relay
Display	4.3″ colour touchscreen	Same
Power supply	24 VDC	Same
Connectivity	Wi-Fi, Bluetooth, cabled Ethernet	Same
PLC / SCADA interfaces	Modbus/TCP, P-Net/IP, 4–20 mA	Same
Automatic compensations	Barometric pressure (and others configurable via Cobália)	Same
Calibration	On-screen	Same
Firmware updates	Via Internet (wired or wireless) or on the Cobália Sync app	Same
Housing	High-impact ABS, IP67 weatherproof	Same
Operating temperature	–20 °C to +60 °C / –4 °F to +140 °F	Same
Dimensions	W199 × H198 × D88 mm	Same
Upgrade option	Can be upgraded to Marlin⁺ Advanced	—

Order information / part numbers

Marlin⁺ Standard	Item no: B11P
Marlin⁺ Advanced	Item no: B11PA
Upgrade kit; From Standard to Advanced	Item no: B11PADD
Power supply, IP67, 60 W, EU plug / US plug	Item no: B10PWS60EU / B10PWS60US

Compatible probes:

D40C4 DO (Dissolved Oxygen), **D30** LDO (Optical Dissolved Oxygen), **G10PMP** CO_2, **K01SVPLD** pH, **K01SVRLD** Redox / ORP, **F01** TGP (Total Gas Pressure), **D061PM** Temperature, **I01FSP** Salinity, **G20L** Ozone and 4–20 mA input (e.g. Model 420)

Data subject to change without notice; Marlin, no. B11P / B11PA datasheet UK 2026 11