

# MISSION SPECIALIST Controllers



The Mission Specialist Workhorse Splashproof Controller (WSC) and Workhorse Control Console (WCC) are the topside power and communications controllers for all Mission Specialist ROV systems.

The Workhorse Splashproof Controller will protect your system from rough seas and poor weather conditions and uses the portable and intuitive Expeditionary controller with integrated detachable pods. When used in conjunction with Mission Specialist ROV Subsea Batteries and Expeditionary Reel, you achieve the smallest operational footprint combined with the most portable configuration and no need for a topside power source.

The Workhorse Control Console is our original topside command center with an integrated computer, a larger touchscreen display, and either our exclusive IP65 Industrial or Xbox Elite hand controller.

Both systems are protected with rugged hard-sided portable cases and have built-in safety features. Each control system can be used with either topside or subsea power.

# Controller Options with Rugged Durability

CONTROLLERS



## \_Workhorse Splashproof Controller Specifications

### [ELECTRICAL]

POWER REQUIREMENTS	110/220VAC (1-2.4 kW)
POWER INPUT	Universal 85-264 VAC, 47-440Hz
POWER OUTPUT	2.4 kW max power (chassis) 2.3 kW max 400V (90% efficiency) 48 VDC (to HMI interface)

### [PERFORMANCE]

COMPUTER	Dell Latitude 7230 Rugged Extreme
PROCESSOR	12th Gen Intel® Core™ i5-1240U, vPro®
MEMORY	16 GB: 2 × 8 GB, LPDDR5, 5200 MT/s onboard
STORAGE	500 GB SSD

### [FEATURES]

PROTECTION	IP65 Controller & Console
DISPLAY	12" Touchscreen WVA FHD (1920×1200), 100% sRGB AntiGlare, Outdoor Viewable
VERSATILITY	Stand-alone via subsea power or combined with splashproof console via topside power
CONTROLLER OPTIONS	Detachable pods, Industrial IP65, Xbox
CONTROLLER LxWxH	48.3 × 27.9 × 8.9 cm (19.0 x 11.0 x 3.5 in)
CONSOLE LxWxH	52.5 × 43.7 × 21.3 cm (20.7 × 17.2 × 8.4 in)
CONTROLLER WEIGHT	3.4 kg (7.5 lbs)
CONSOLE WEIGHT	12.2 kg (26.9 lbs)
CONSOLE CONNECTIONS	ROV 8-pin tether, Ethernet, USB, Fischer HMI, USB-A (2)



## \_Workhorse Control Console Specifications

### [ELECTRICAL]

POWER REQUIREMENTS	110/220VAC (1-2.4 kW)
POWER INPUT	Universal 85-264 VAC, 47-440Hz
POWER OUTPUT	2.4 kW max power (chassis) 2.3 kW max 400V (90% efficiency)

### [PERFORMANCE]

COMPUTER	Onlogic ML100G-52 Industrial
PROCESSOR	8th generation Intel® Core™ i7-8665U, vPro® (4 Cores, up to 4.80 GHz)
MEMORY	16 GB SO-DIMM DDR4 3200
STORAGE	500 GB SSD

### [FEATURES]

DISPLAY	19" Touchscreen, HD High Bright, dimmable
VERSATILITY	Compatible with either subsea or topside power source
CONTROLLER OPTIONS	Industrial IP65, Xbox
DIMENSIONS LxWxH	52.5 × 43.7 × 21.3 cm (20.7 × 17.2 × 8.4 in)
WEIGHT	15.2 kg (33.6 lbs)
CONSOLE CONNECTIONS	(1) ROV 8-pin tether (2) HDMI output (1) Ethernet port (2) 24 VDC port (1) Keyboard port (1) Controller port (5) USB-A hub port