

## MDM-PROTECT

OT Cybersecurity for Inland Shipping

Security · Monitoring · Compliance

### What is MDM-PROTECT?

Inland vessels are increasingly connected to the digital world. Navigation systems, engine management and communication equipment continuously exchange data — making them an attractive target for cybercriminals. At the same time, cyberattacks are becoming more sophisticated with the help of AI.

The answer to this growing threat is MDM-PROTECT. This is the maritime cybersecurity solution from Maritime Data Management (MDM). The hardware installs on board the vessel and acts as a digital gatekeeper. Using a built-in AI detection engine, MDM-PROTECT recognises anomalies in on-board network traffic — such as reconnaissance activity or unauthorised communication — and blocks threats in real time. Data, access management and configuration management are centrally monitored and potential incidents reported. The system integrates seamlessly into existing IT and OT environments, making it non-intrusive. MDM-PROTECT protects your vessel against cyberattacks targeting both IT and OT on board.

MDM combines the inland shipping operational expertise of Jansma International with the OT cybersecurity technical expertise of aXite Security Tools. The result is a unique cybersecurity solution developed specifically for the maritime sector.



#### Security

Protects networks against unauthorised access, malware and cyberattacks.

#### Monitoring

Continuous real-time visibility into all network activity on board, 24/7 monitoring.

#### Compliance

Supports compliance with NIS2 directives and emerging maritime cybersecurity standards.

## Technical Specifications — MDM-PROTECT

---

Specification	Value
Dimensions	45 × 13 × 18 cm
Input Voltage (Vin)	MEV-10132-012
Power Class	Power Supply Class 2
Temperature Range	-20°C to +60°C
Interfaces	USB 3.0 (Type A) · RJ45 Ethernet
LAN	10/100 Mbit (green) · 1 Gbit (orange)
Indicator LEDs	Power/Reset · LAN 1–4 · Activity/User
Standards	CE, RoHS
Connectivity	RJ45 (8-pin) · USB 3.0 (9-pin Type A)

## Services

---

Service	Description
Installation & configuration	Professional installation of the hardware on board, including custom network configuration for your vessel.
24/7 monitoring	Continuous monitoring of all network traffic on board from our control room at Schiphol.
Incident response	When a threat is detected: immediate notification and support in neutralising the incident.
Reporting	Monthly report on network activity, incidents and the security status of your vessel.
Updates & maintenance	Automatic firmware and security updates to keep the hardware always current.
Compliance support	Documentation and guidance for compliance with NIS2 and maritime cybersecurity requirements.

## Investment

---

MDM-PROTECT combines hardware, software and services. The solution therefore consists partly of one-off costs (hardware and installation) and ongoing subscription costs covering 24/7 monitoring, incident prevention and response, and monthly reporting.

Get in touch for pricing.