



Smart Interaction. Limitless Performance.



FIM7L ATG CONSOLE



FIMTEK

The Console That Does It All — Without Limits.

FIM-7L – Advanced Automation Console for Modern Fuel Management

The FIM-7L is a next-generation automation console designed to deliver precise, real-time monitoring and full control of tanks and pumps. Its intelligent communication structure ensures seamless integration with both legacy equipment and advanced digital sensors, providing unmatched flexibility across your entire forecourt.

Engineered for scalability, the FIM-7L supports up to 64 tanks and 16 pumps, and can be expanded through modular I/O and multiple communication ports. This makes it ideal for both single-station use and large fuel networks looking for a cost-efficient and future-ready automation solution.

At its core is a 7-inch high-resolution touchscreen that allows operators to easily view tank levels, pump activity, alarms, overfill conditions, and diagnostics. With faster processing, improved graphics, and simplified reporting, the FIM-7L offers one of the most user-friendly interfaces in its class.

It's Connected:

Ethernet, 4G GSM, USB, HDMI, and multi-RS ports enable full remote access, cloud integration, and web-based configuration.

It's Scalable:

Modular architecture and multi-sensor compatibility let the FIM-7L grow with your operational needs.

It's Secure:

Leak detection, overfill alarm management, automatic filling detection, and advanced algorithms ensure 24/7 protection and operational reliability.

The FIM-7L is built for professionals who demand accuracy, safety, and performance—a complete automation platform for the fuel stations of tomorrow.



Standard Features and Functions

- User-friendly interface with a 7" high-resolution touchscreen and fast navigation
- Real-time display of tank levels, volumes, ullage, temperature, water level, density* and product type
- Compatible with a wide range of probe technologies including magnetostrictive, temperature, and water-detection sensors
- Supports up to 64 tanks and 16 pumps simultaneously
- Can monitor manifolded, grouped, or independent tanks
- Automatic filling detection with instant alarms and event logging
- Overfill Alarm System with configurable thresholds
- Advanced leak detection support (integrated or external systems)
- Calendar-based alarm, delivery, and warning filtering (per tank or event type)
- Web-based interface for remote control (PC, tablet, mobile)
- Email notifications for shift reports, alarms, deliveries, discrepancies
- Cloud-based data backup and remote firmware updates
- 2 onboard relays, expandable through additional I/O modules
- Scalable architecture allowing expansion of relays, inputs, and communication channels
- Network connectivity via Ethernet, 4G GSM, DHCP or static IP
- Supports intelligent pump communication and status monitoring
- Automatic calculation of TC volume, compensated volume, and corrected densities*
- Multi-language support with full expandability
- Printer support for inventory, delivery, leak test, reconciliation and shift reports
- Scenario-based automation for tanks and pumps (custom rules & triggers)
- Compatible with most industry-standard protocols including Modbus RTU/TCP
- Supports integration with POS systems (via Modbus or custom interface)
- External Ex-proof enclosure option for hazardous environments
- USB support for firmware updates, configuration export/import
- Visual and audible alarms with configurable severity levels
- Local or remote monitoring for single sites and multi-station networks
- Data logging with long-term historical storage and export capability
- Optional monitoring of water ingress, temperature variance, communication faults
- Real-time dashboard view for tank groups, pump cycles, and active alarms
- Modular design for future upgrade, sensor expansion, and new communication standards

Certifications





FIMTEK SOFTWARE AND ELECTRONICS LIMITED COMPANY

Address: Fevzi Çakmak Neighbourhood
Şehit Tugay Karaman Street
No: 23 - 2
Pendik / İstanbul
Türkiye
www.fimtek.com.tr
Mobile: +90 531 400 30 75



Contact with Us

