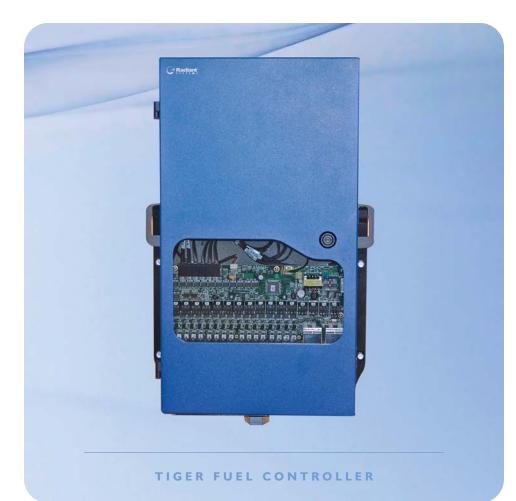# RADIANT SYSTEMS

TIGER FUEL CONTROLLER

built for petroleum and convenience retailing

Increased competition, a complex retail environment and demanding consumers require petroleum retailers to reinvent the way business is conducted at the fuel island. Unfortunately, existing fuel technology inhibits the ability to deliver value added capabilities such as promoting in-store specials, delivering self-service applications or supporting multi-media presentations at the dispenser.

Radiant has introduced the Tiger Fuel Controller to increase transaction speeds and enable innovative marketing programs at the dispenser. With more than fifteen years of experience providing petroleum retail with innovative fuel control technology, Radiant delivers a solution that unlocks the potential of your fuel island. Retailers will now have the flexibility to deliver faster service and transact more business all while reducing the complexity and costs of managing the operation.

IMPROVE SPEED OF SERVICE
High performance fuel controller improves customer loyalty and throughput at the pump. Recognize a dramatic increase in transaction speed across all pay-at-the-pump transaction types. Such as debit, credit, fleet, loyalty and cash acceptor.

SUPPORT ROBUST MARKETING PROGRAMS AT THE PUMP
By increasing bandwidth to the fuel island, you can easily introduce multimedia capabilities at the dispenser to enable self-service transactions, which support loyalty programs and advertise in-store promotions.

MAXIMIZE FUEL DISPENSER UP-TIME
Eliminate multiple devices, such as D-Boxes and converters, which serve as potential points of failure. Enable dispensers to run autonomously from the point-of-sale, isolating the fuel island from in-store failures.

LOWER TOTAL COST OF OWNERSHIP
Increase forecourt performance without replacing in-store POS by reusing existing wiring, connections and cabling to reduce disruption at the site during installations.

PROVEN AND INNOVATIVE SUPPORT MODEL
Increase service and decrease support costs with Radiant's global partnership through UPS Logistics and backed by our ISO:9001 certified Field Services network. Eliminate costly site visits through remote support diagnostics and upgrade capabilities.

TIGER FUEL CONTROLLER

FEATURES

BENEFITS

FEATURES	BENEFITS
High-performance CPU with eight high-speed 16C550 compatible communication channels	▷ Support EMV, high transaction volume, and fuel-based loyalty programs at the forecourt.
Industry standard dispenser and outdoor payment terminal support	▷ Seamlessly integrate and directly connect to all models of Gilbarco, Dresser-Wayne, Tokheim, Tatsuno, and other fuel dispensers and outdoor payment terminals.
Dedicated fuel controller	▷ Streamline maintenance and return to service and minimize points of failure in your store network. ▷ Use one solid-state, fit-for-purpose device that eliminates the need for distribution boxes, converters, power packs, and other devices typically required by traditional fuel controllers.
16 RS485 ports	▷ Support up to 16 RS485 direct connections, eliminating the need for distribution boxes and converters.
16 Current Loop (CL) ports	▷ Support up to 16 CL direct connections, individually driven for high performance and easier field diagnostics. Selectable loop current provides flexibility and investment protection.
Two high performance RS485/CL/Tokheim ports	▷ Radiant JAG Fuel Controller compatible ports used to drive existing RS485, CL, or Tokheim distribution boxes.
Two RS232 ports	▷ Directly connect other forecourt devices such as tank monitors or price signs.
Ethernet port	▷ Maximize fuel system uptime by processing fuel transactions independently of the store point-of-sale or back office server.
Optical isolation of forecourt interfaces	▷ Protects the controller from electrical surges traveling over the forecourt communication lines.
LEDs for LAN, power, and communication ports	▷ Provide excellent diagnostic support.
Solid-state design with no moving parts	▷ Increase reliability and reduce support and maintenance issues.
Separate wall mounting bracket for wiring conduit connection	▷ Quick return to service.

SPECIFICATIONS*

Enclosure	Powder coated sheet metal with separate mounting bracket, removable hinged doors, and transparent window for easy monitoring of LEDs and cable connections.
CPU	Intel Celeron M 900 MHz
Chip Set	Intel 852GM
Volatile Memory	256 MB DDR SDRAM
Operating System	Microsoft Windows CE 5.0
Mass Storage	64 MB USB Disk on Chip
Networking	Auto-selecting 10Base-T/100Base-T Ethernet
Forecourt Connectivity	16 RS485 ports, 16 current loop ports, 2 JAG Fuel Controller RS485/CL/Tokheim ports, 2 RS232 ports
Expansion	1 Compact Flash slot with IDE controller; 3 USB 2.0 ports available; 1 Mini-PCI slot
Dimensions	23.0" (H) x 15.1" (W) x 3.7" (D) 58.4 cm (H) x 38.4 cm (W) x 9.4 cm (D)
Power	Integrated, auto-selecting, universal power supply with IEC connector; 110V or 240V, 50Hz or 60Hz
Weight	24 lbs., 10.89 kg
Operating Temperature	23º to 122º F / -5º to 50º C
Storage Temperature	23º to 158º F / -5º to 70º C
Operating Humidity	5% – 95% non-condensing
Certifications	UL, FCC Part 15, C-Tick, c-UL, ICES-003

Specifications are subject to change.

Microsoft GOLD CERTIFIED Partner

(intel)

ISO 9001:2000 CERTIFIED