

Amar Fuel

An Advance & Automated ERP Software
A Smart Solution For Smart Fuel Station

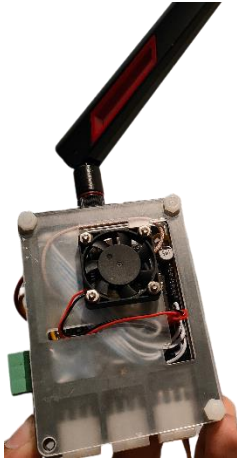
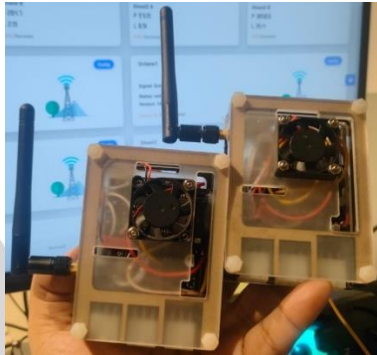
SHAH X CONNECT IS A POWERFUL MODERN FORECOURT

CONTROLLER FOR PROVISION OF CONTROL OVER:

- PETROLEUM, LPG AND CNG DISPENSERS
- AUTOMATIC TANK GAUGE SYSTEMS AND PROBES
- PRICE SIGNS
- RFID READERS

DETAILS

ConnectX knows communication protocols of a great variety of dispensers, ATG systems and probes, price boards and readers allowing to control over any of them in a common way regardless of the brand or communication protocol used, so using the ConnectX controller any management system (POS system, OPT, mobile application) can use a common way for provision of control over any supported brands in the same way. ConnectX controller leads internal database for pumps sales and tanks measurements, it allows to generate reports using a web browser and also can automatically upload all the registered records to any cloud server, allowing to easily remotely receive all detailed reports from the petrol stations and petroleum depots.

Products' Name	Technical Specification	Product's Picture	Price/ Unit In BDT
AmarFuel Forecourt	Capacity: Unlimited Offline Record: 6000 Live Sell: Yes Nozzle: 16 Nozzle Support Bluetooth / Wi-Fi Printer Wi-Fi / 2G / 4G / LAN RFID + QR Code Wi-Fi Range: 300M MODBUS RS485/RS422 Server Full Network Support		80,000 BDT
Wireless forecourt communicator (Child)	WFC communicator allows to connect dispensers with different hardware interfaces in a common way. At this connection of the AmarFuel forecourt controller to the WFC communicator is to be done in a wired way using RS-485 interface.		45,000 BDT

No. Of Device	Service Charge Per Fuel /Gas Station		Service (5 free Service After sell for 6 month) On Call Service Charge
	Monthly	Device Price	
1-4	2000 BDT	120,000 BDT	1500 BDT/ Device
5-16	1000 BDT	100,000 BDT	1500 BDT/ Device
30+	500 BDT	80,000 BDT	1500 BDT/ Device

Software Specification

- Monitor Daily Sales
- Nozzle Monitoring
- Tank Monitoring
- Low Fuel Alert
- Track Sales Profit / Loss
- Sales Receipts to Customer

- Daily and Monthly Report
- Financial Statement
- Online Payment
- QR Code base Customer Dashboard to monitor their perches and history

Hardware Specification

- Support up to 16 Nozzle Dispensers
- Support RFID readers
- Support Fingerprint scanner
- Tank Monitoring
- Support Bluetooth / Wi-Fi Printer
- Support Price Board
- Automatically identify the vehicle
- Prevent fuel thefts
- Long Range Wi-Fi (500M+)
- Ethernet Cable
- 2G/3G/4G SIM Network Supported
- Able to work automatically standalone.
- Nozzle base Live Sell
- Network Monitoring
- Can individually Turn Off or on the nozzle.
- Change Rate

Security Specification

- Strong authentication mechanisms to ensure that only authorized devices and users can access our API. Consider using technologies **OAuth 2.0** for authentication and role-based access control (RBAC) for authorization.
- Secure communication channels such as **HTTPS** (HTTP over TLS) to prevent data interception and man-in-the-middle attacks.
- **Firmware and Software Updates:** Regularly update the firmware and software of devices to patch vulnerabilities and improve security.
- **API Versioning:** Use versioning in your API to maintain backward compatibility while introducing security enhancements in newer versions.
- Encrypt data transmitted over the API using protocols TLS (Transport Layer Security) to prevent eavesdropping and data tampering during transit.

Wireless Automation for Gas stations



Device Specification	Amar Fuel VS JoyFueling		Winner
	Amar Fuel	JoyFueling	
Read Nozzle	Yes	Yes	Both
Control Nozzle	Yes	NO	Amar Fuel
Network	Wi-fi/2G/4G/Lora/LAN	Wi-fi/2G/4G/LoRa	Both
Wireless Distance	300 m	60 m	Amar Fuel
OTA Update	Yes	No	Amar Fuel
RF ID	Yes	Yes	Both
Printer	Yes	No	Amar Fuel
ATG	Yes	No	Amar Fuel
Store Offline	Yes	Yes	Both
Processor	Xtensa dual-core 32-bit LX7 160-240 MHz	ARM Cortex-M4F 84 / 180 MHz	Amar Fuel
Backup Battery	Yes (6hrs)	No	Amar Fuel
ROM & Ram	32MB Flash & 16MB Ram	2048 KB Flash & 192 KB Ram	Amar Fuel
Price	1040\$	1500\$	Amar Fuel

Reference: [bluesky multifunctional intelligent communication-box](#)