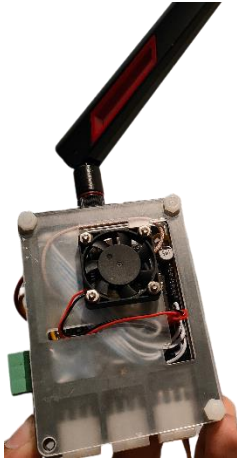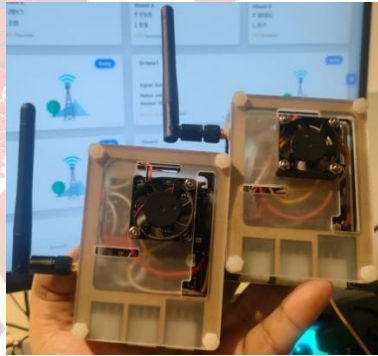# Amar Fuel

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: 16-32 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** **Domain, Software & App Included**		**1,40,000 BDT**
AmarFuel Forecourt Mini	**Capacity: Unlimited Offline Record: 500 Live Sell: Yes Nozzle: 2 Nozzle / 1 Dispenser Support Bluetooth / Wi-Fi Printer Wi-Fi / 2G / 4G / LAN RFID + QR Code Wi-Fi Range: 200M MODBUS RS485/RS422 Server Full Network Support**		**45,000 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.		**15,000 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	1000	**1280$ / 1,40,000 BDT**	1500 BDT/ Device
5-10	2500	**1,60,000 BDT**	1500 BDT/ Device
11-16	4500	**180,000 BDT**	1500 BDT/ Device
20+	6000	**220,990 BDT**	1500 BDT/ Device

Software Specification

- Monitor Daily Sales
- Nozzle Monitoring
- Tank Monitoring
- Low Fuel Alert
- Track Sales Profit / Loss
- Shift Close
- Shift Close Report
- 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.
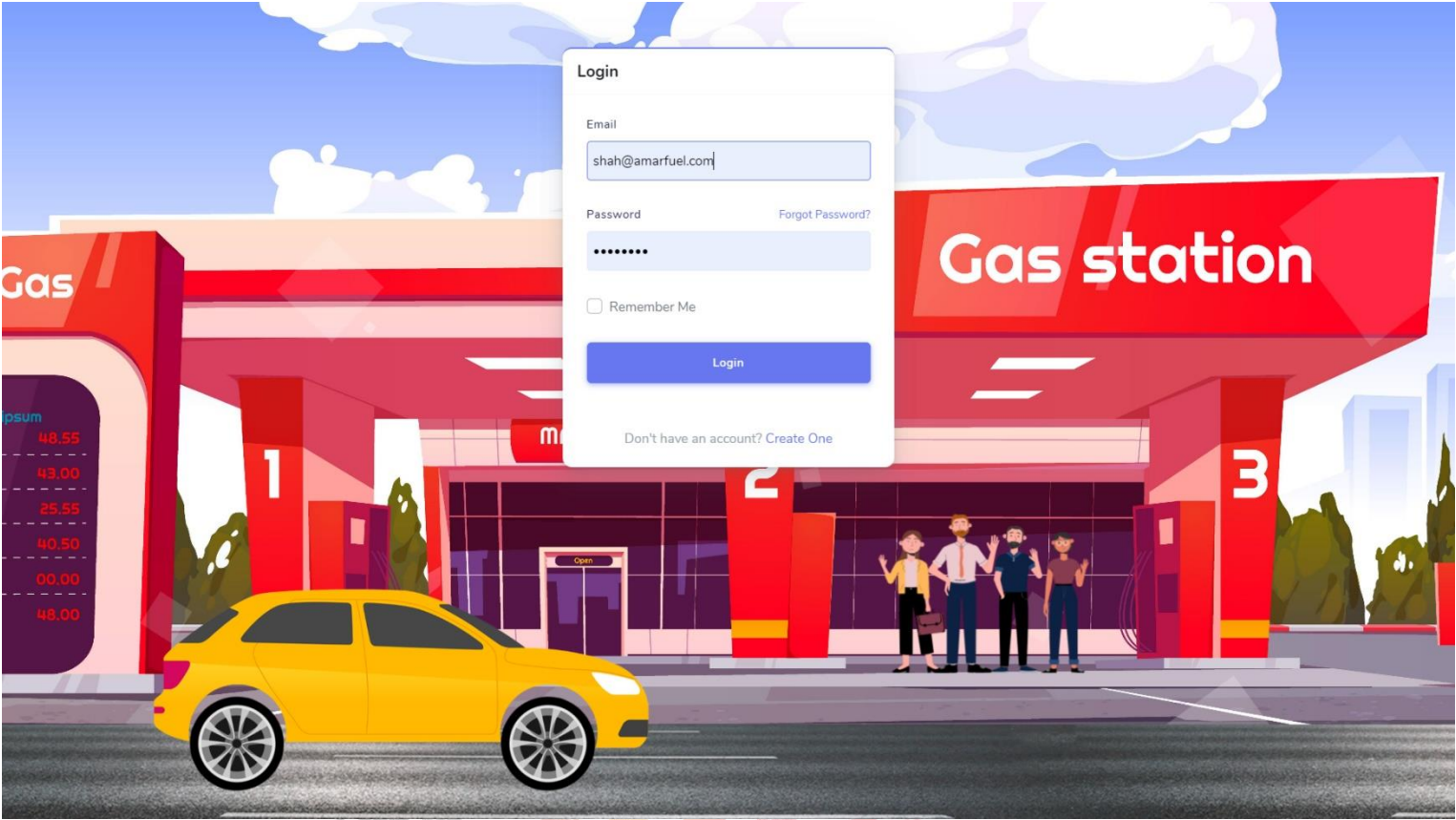- Change Rate

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

CloudServer

Wi-Fi / 2G / 4G

1-16 Nozzle

RS485

Wi-Fi / 2G / 4G/ LAN

1-16 Nozzle

RS485

Command With Value/Amount

Card Punch Machine

Software Details

6

Total Octane Sales
23,845 TK

183.34 Ltr

10% Increase

Total Diesel Sales
0 TK

0.00 Ltr

09% Decrease

Total Transaction
126

0 Fixed

18% Increase

Total Sell
93,459 TK

100 % Accuracy

0 Sys lose

Octane 1
[Preset] [Stop] [UnLock]

P 0

L 0

T P 121033.9

T L 931.03

Status Lock

Octane 2
[Preset] [Stop] [Lock]

P 1001

L 7.7

T P 14374.1

T L 110.57

Status Idle..

Today Live LPG Sell

● online

[Post All]

#NO	Fuel Pump	Nozzle	Liter	Price	Start Reading	End Reading	Status	Transaction ID	Date	Action	
1	Octane	2	5.00 L	5.00 Tk	25.75 L	30.75 L	Pending	2024-02-18-0006	2024-02-18 08:22:47 pm	Received	Print
2	Octane	2	2.00 L	2.00 Tk	23.75 L	25.75 L	Pending	2024-02-18-0005	2024-02-18 08:22:29 pm	Received	Print

---

6

Press Esc to exit full screen

Octane 1
[Stop] [Lock]

P 0.00

L 0.00

T P 121033.9

T L 931.03

Status Lock

Octane 2
[Stop] [Lock]

P 1001.00

L 7.70

T P 14374.1

T L 110.57

Status Idle..

Octane
[Config]

Signal: excellent (-47)

Status: online

CPU Use: 32.19 %

RAM Use: 4.48 %

Rate: 0.00

Version: 1.0.6

Device ID: 78409c1b5ae0

Device Config

ID	Token	DeviceID	Name	Price	A_Puls	B_Puls	MAC	A Nozz	B Nozz	A Price	B Price

Shift Closing Report

Create New Shift Closing

S.No	Start Time	End Time	Total Cash	Total Ltr	Transaction	Credit Sales	Expense	Net Amount	Responsible Employee	Status	Action
12	2024-02-18 16:54:00	2024-02-19 20:33:00	1199500.20	11790.99	802	69066.00	500.00	1269566.20	Shah Newaz Aziz	Close	👁
11	2024-02-17 20:21:00	2024-02-18 16:54:00	911444.08	8467.45	521	0.00	0.00	0.00	Shah Newaz Aziz	Close	👁
10	2024-02-17 20:01:00	2024-02-17 20:21:00	389012.83	3570.39	6	0.00	0.00	0.00	Shah Newaz Aziz	Close	👁
9	2024-02-16 20:01:00	2024-02-17 20:01:00	200384.16	2324.02	475	48000.00	2000.00	250384.16	Shah Newaz Aziz	Close	👁
7	2024-02-15 20:04:00	2024-02-16 20:01:00	2.00	0.00	152484	152484.27	0.00	0.00	Shah Newaz Aziz	Close	👁
4	2024-02-15 20:03:00	2024-02-15 20:04:00	2.00	0.00	151900	152326.52	426.72	28880.41	Shah Newaz Aziz	Close	👁
3	2024-02-15 11:08:00	2024-02-15 20:03:00	1.00	0.00	123595	123678.58	83.97	5683.09	Shah Newaz Aziz	Close	👁
2	2024-02-15 00:32:00	2024-02-15 11:08:00	1.00	0.00	1851	2000.00	149.44	19427.20	Shah Newaz Aziz	Close	👁
1	2024-01-31 07:21:00	2024-02-15 00:32:00	2.00	0.00	851	850.56	850.56	110572.80	Shah Newaz Aziz	Close	👁

Shift Closing

Add New | Credit | Products

Fuel/Product	Status	Machine	Transaction
LPG	Close	LPG 2	41

Opening reading	Closing reading	Total Sale (Ltr)	Net Amount
153782.00	154187.16	405.16	27421.23

Total Cash	Total Credit	Total Expense	Net Amount (Total)
1398090.96	77865	2000	1479955.96

Responsible Employee	Shift Start Time	Shift End Time	Loss
Shah Newaz Aziz	02/19/2024 08:33 F	02/20/2024 09:24 F	0

Total Amount   1479955.96   Tk.

Add   SUBMIT

M/S SHAMSU LPG & FILLING STATION

Dhaka Mawa Khulna Highway Road, কেরানীগঞ্জ, Bangladesh, Dhaka, Bangladesh

Phone: 01838-755599

Shift Closing Report

Date: Tue, Feb 20 2024 21:27:02

Shift Details	
Shift ID	12
Total Transaction	802
Tank	Octane, Diesel, LPG
Start Time	18-Feb-2024 04:54 PM
End Time	19-Feb-2024 08:33 PM

Cash short Report	
Amount	1199500.20 TK
Credit short Report	
Amount	69066.00 TK
Expense Report	
Amount	500.00 TK

Total Sales Report	
Amount	1269566.20 TK
Volume	11790.99 Ltr
Report By	Shah Newaz Aziz

Shift	Fuel	Nozzle	Rate	Opening reading	Closing reading	Total Sale (Ltr)	Total Amount	Total Transaction	Status
All Day	LPG	1	67.68	125209.75	125209.75	426.69	28878.38	18	Closed
All Day	LPG	2	67.68	153782	153782	632.61	42815.04	54	Closed
All Day	Diesel	1	109.00	867241.35	867241.35	1462.87	159452.83	90	Closed
All Day	Diesel	2	109.00	714307.66	714307.66	2352.05	256373.45	80	Closed
All Day	Diesel	3	109.00	1003485.3	1003485.3	2602.88	283713.92	97	Closed
All Day	Diesel	4	109.00	624095.72	624095.72	2998.72	326860.48	124	Closed
All Day	Octane	1	130.00	6634910.55	6634910.55	921.71	119822.3	239	Closed
All Day	Octane	2	130.00	90146.25	90146.25	190.31	24740.3	78	Closed
All Day	Octane	3	130.00	54382.12	54382.12	203.15	26409.5	22	Closed

MAIN

- Dashboard
- History
- Device Config
- Shift Setup
- Shift Closing +

All Transection Report

Octane ▾	1 ▾	57 ▾	Select Shift ▾

📅 January 22, 2024 - February 20, 2024 ▾

Show Download Print

#NO	Date	Fuel	Nozzle	Liter	Price	Rate	Start Reading	End Reading	Status	Tran ID	Accountant
1	2024-02-19 08:09:37 am	Octane	4	8.00	1040.00	130.00	30715.23	30723.23	Paid	2024-02-19-0002	User
2	2024-02-19 10:24:09 am	Octane	4	7.69	1000.00	130.00	30723.23	30730.92	Paid	2024-02-19-0003	User
3	2024-02-19 10:26:40 am	Octane	4	3.88	505.00	130.00	30730.92	30734.80	Paid	2024-02-19-0004	User
4	2024-02-19 10:27:49 am	Octane	4	7.69	1000.00	130.00	30734.8	30742.49	Paid	2024-02-19-0006	User
5	2024-02-19 10:28:41 am	Octane	4	2.30	300.00	130.00	30742.49	30744.79	Paid	2024-02-19-0007	User
6	2024-02-19 10:29:37 am	Octane	4	3.84	500.00	130.00	30744.79	30748.63	Paid	2024-02-19-0008	User
7	2024-02-19 10:30:26 am	Octane	4	4.00	520.00	130.00	30748.63	30752.63	Paid	2024-02-19-0009	User
8	2024-02-19 10:31:41 am	Octane	4	23.07	3000.00	130.00	30752.63	30775.70	Paid	2024-02-19-0010	User
9	2024-02-19 10:26:55 am	Octane	4	53.01	6761.30	130.00	30775.7	30827.71	Paid	2024-02-19-0011	User

#NO	Date	Fuel	Nozzle	Liter	Price	Rate	Start Reading	End Reading	Status	Tran ID	Accountant
1	2024-02-20 07:56:19 am	Octane	4	15.38	2000.00	0.00	31816.86	31832.24	Paid	2024-02-20-0001	User
2	2024-02-20 07:59:20 am	Octane	4	4.00	520.00	130.00	31832.24	31836.24	Paid	2024-02-20-0002	User
3	2024-02-20 08:01:59 am	Octane	4	34.46	4479.80	130.00	31836.24	31870.70	Paid	2024-02-20-0003	User
4	2024-02-20 08:03:27 am	Octane	4	11.53	1500.00	130.00	31870.7	31882.23	Paid	2024-02-20-0004	User
5	2024-02-20 08:06:24 am	Octane	4	23.07	3000.00	130.00	31882.23	31905.30	Paid	2024-02-20-0005	User
6	2024-02-20 08:40:11 am	Octane	4	55.39	7200.70	130.00	31905.3	31960.69	Paid	2024-02-20-0006	User
7	2024-02-20 08:48:20 am	Octane	4	0.00	0.00	130.00	31960.69	31960.69	Pending	2024-02-20-0007	
8	2024-02-20 08:48:20 am	Octane	4	10.76	1400.00	130.00	31960.69	31971.45	Paid	2024-02-20-0008	User
9	2024-02-20 08:55:53 am	Octane	4	38.46	5000.00	130.00	31971.45	32009.91	Paid	2024-02-20-0009	User
10	2024-02-20 09:00:19 am	Octane	4	45.73	5944.90	130.00	32009.91	32055.64	Paid	2024-02-20-0010	User
11	2024-02-20 09:03:22 am	Octane	4	15.38	2000.00	130.00	32055.64	32071.02	Paid	2024-02-20-0011	User
12	2024-02-20 09:06:13 am	Octane	4	3.84	500.00	130.00	32071.02	32074.86	Paid	2024-02-20-0012	User
13	2024-02-20 09:10:05 am	Octane	4	50.00	6500.00	130.00	32074.86	32124.86	Paid	2024-02-20-0013	User
14	2024-02-20 09:30:45 am	Octane	4	46.92	6099.60	130.00	32124.86	32171.78	Paid	2024-02-20-0014	User
15	2024-02-20 09:33:03 am	Octane	4	23.07	3000.00	130.00	32171.78	32194.85	Paid	2024-02-20-0015	User
16	2024-02-20 09:40:19 am	Octane	4	0.00	0.00	130.00	32194.85	32194.85	Pending	2024-02-20-0016	
17	2024-02-20 09:40:19 am	Octane	4	38.46	5000.00	130.00	32194.85	32233.31	Paid	2024-02-20-0017	User
18	2024-02-20 09:44:12 am	Octane	4	43.88	5704.40	130.00	32233.31	32277.19	Paid	2024-02-20-0018	User
19	2024-02-20 10:06:37 am	Octane	4	0.00	0.00	130.00	32277.19	32277.19	Pending	2024-02-20-0019	
20	2024-02-20 10:06:37 am	Octane	4	7.69	1000.00	130.00	32277.19	32284.88	Paid	2024-02-20-0020	User