
RAYA
TECHNOLOGY
Raya
Technology
Resume



Raya Technology is a knowledge-driven company specializing in advanced technologies, focused on the design, production, and development of High-Tech products. By relying on strong Research & Development (R&D) capabilities and collaborating with both domestic and international partners, Raya Technology delivers innovative solutions for technological advancement and knowledge transfer.

RAYA Technology Customers



PARS MOBTAKER Fartak
گروه بازرگانی کنکاش

DINA MOTORS
شرکت توسعه قوای محرکه دینا

MEGA system.ir

گردان جنوب

پارسیاگاز
ParsiaGas

سرمایه گذاری و فناوری روزبه
Roozbeh Investment & Technology Co.

شرکت بازرگانی و تولیدی مرجان کار (سهامی عام)

اکسیرساز شمال
تولیدکننده نوری‌های پلاستیکی

شرکت تولیدی آرد کیار
کیارشرق

Istatajhiz Pishro
ELECTRICITY AND AUTOMATION ARE OUR SPECIALITY

Other Customers From Several Iranian Technology

پارک علم و فناوری فارس

پارک علم و فناوری استان قم
Qom Science & Technology Park

پارک علم و فناوری

پارک علم و فناوری
مرکز رشد واحدهای فناور

RATA Technology Customers



GAM LAB. GRAPHENE & ADVANCED MATERIALS

حدید پرواز ان پارس اندیشه

اعلام حریق ایران

GRE PIPE & FITTINGS

شرکت توسعه نیشکر و صنایع جانبی آن

پیام آوران ندای فارس

امیرنیا

سامتک SAMTEC

ArtaVision Ava

RAYA Technology Customers



FANAVARI AZMAYESHGAHI CO.
Total Solutions For Healthcare

صنایع برودتی نوری
سرمایش صنعتی و تهویه مطبوع
BR NOURI

سپهر شبکه اسپادانا
شرکت مهندسی توسعه ارتباطات و اطلاع رسانی
ARIANDA

Other Customers From Several Iranian Technology

پارک علم و فناوری استان سمنان



Monitoring Projects

RAYA TECHNOLOGY

Raya Monitoring Management & Control System

A unified monitoring and control platform developed by Raya Technology to consolidate all devices, equipment, and various solutions into a single centralized command center. This system enables real-time monitoring, reporting, support, and remote updates — all without requiring any architectural changes on the devices.





Shahr Bank Infrastructure Monitoring System

A fully integrated monitoring platform designed for real-time supervision of Shahr Bank's critical infrastructure, including UPS units, networking equipment, power systems, ATMs, and more. This system provides unified data analysis, centralized control, and a secure communication layer developed specifically for banking environments-offering reliable, continuous connectivity across all distributed branches.



ShahrNet Monitoring System Shahr Bank

A centralized monitoring system developed for all ShahrNet branches of Shahr Bank. It continuously collects and reports the operational and security status of UPS units, security systems, and emergency equipment. The platform enables remote alerts, real-time supervision, and centralized control, significantly improving operational reliability while reducing manual errors and on-site support requirements.



Remote Terminal Unit (RTU) Projects

RAYA TECHNOLOGY

Latest RTU Version Provided to Bank

Seventh-generation RTU design with support for Wi-Fi, LAN, RS-485, Modbus, and GSM Gateway for integrated banking communication.





Version Delivered to Shahr Bank's ShahrNet Network

Advanced RTU version developed with enhanced security, dedicated VLAN, Wi-Fi, and GSM connectivity.Equipped with a Firewall, Watchdog alarm system, and unified architecture for secure network management.

First Professional Rack-mount RTU

Designed as a rack-mount version for data centers and banks, featuring direct voltage inputs and full power-management capability.



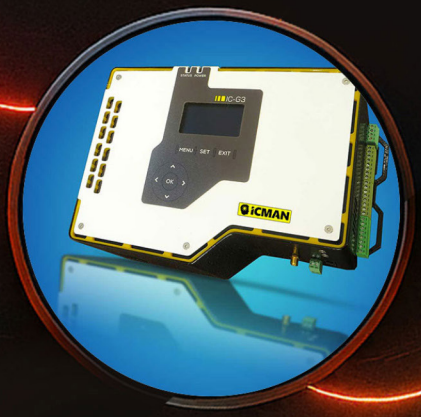


RTU - LG2302

Industrial controller designed with UDP/TCP protocols and Modbus for simultaneous communication in IT and OT networks.

RTU (IC-G3)

New-generation industrial controller design with more I/O channels and a reinforced metal enclosure for increased durability and stability.

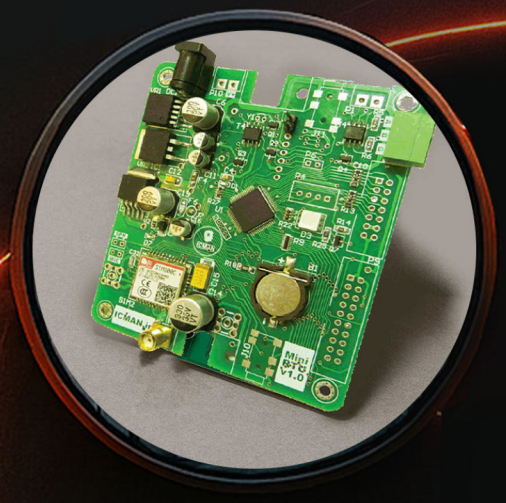


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RTU – Second Version

Design of a remote-control unit with ۶ relay outputs and digital inputs for monitoring and dual-command operations.





RTU Mini Project

Design of a compact and low-power controller for cost-effective projects, with the ability to read data from sensors.



Instrumentation Projects

RAYA TECHNOLOGY

Professional Water Quality Sensor Model RWQ-N

Comprehensive online monitoring and intelligent control system for 4 key water quality parameters (pH, EC, TDS, Turbidity) with full support for industrial protocols (Modbus) and communication mediums (SMS, Webhook).





Professional Air Quality Sensor Model RAP-ND

Integrated monitoring system for 7 vital environmental parameters (including TVOC, CO2, pressure, temperature, and humidity) with intelligent control capabilities (featuring 2 relays) and comprehensive support for Modbus RTU/TCP protocols.

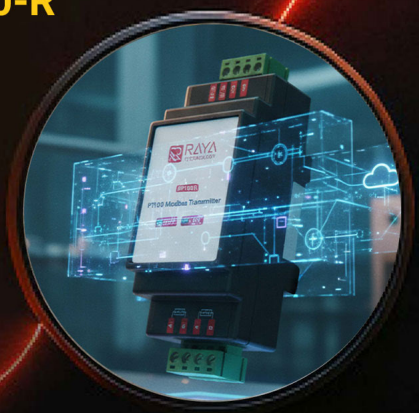


Ammonia Sensor, Model RN3-RD

Intelligent transmitter for real-time monitoring of ammonia gas concentration (0-100ppm) along with temperature and humidity, equipped with an OLED display and industrial Modbus RTU output.

PT100 Modbus Transmitter, Model RP100-R

The RP100-R transmitter converts the temperature measured by the PT100 sensor into digital data and provides it to control systems via Modbus RTU over an RS-485 bus.



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Modbus Carbon Monoxide Sensor
Model RC1-R

Carbon monoxide gas monitoring in parking lots, boiler rooms, tunnels, factories, and buildings Connection to PLC, BMS, SCADA, and HMI via Modbus RTU / RS-485





GSM and Modbus-based IoT Gateway
Model RGM3-W

Communication of Modbus equipment with LAN, GSM, and WiFi networks. Data transmission to PLC, monitoring software, servers, and IoT platforms via Modbus RTU, Modbus TCP, HTTP, and JSON



Modbus Oxygen (O2) Sensor
Model RO2-R

Measurement and monitoring of oxygen concentration in industrial, laboratory, and research environments. Connection to PLC, DCS, RTU, HMI, and SCADA via Modbus RTU / RS-485

Modbus TCP Wireless Transmitter and Receiver Model RMC35

Wireless transmission of Modbus TCP data over long distances. Suitable for connecting PLC, HMI, SCADA, and sensors in distributed sites without network infrastructure



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WiFi Temperature and Humidity Sensor Model RTH-WD

Accurate measurement of temperature and humidity in industrial and building environments.





Modbus Temperature and Humidity Sensor Model RTH-R

Accurate temperature and humidity measurement for locations where installation space is limited or where the sensor must be placed precisely inside a duct/chamber.

Laser Distance Sensor - Model RLD50-D

An industrial sensor for precision distance measurement up to 25 meters, equipped with a digital display, internal configuration menu, programmable output, and support for Modbus RTU & TCP and JSON over Ethernet. Suitable for integration with PLCs and monitoring systems.





Modbus Lux Meter - Model RL5-ND

An advanced lux-meter featuring three high-precision optical sensors for direct light measurement across various environments. Equipped with an OLED display and supporting Modbus RTU & TCP over LAN.



10-Channel Battery Health Monitor Model RBH10

An industrial monitor designed to measure battery health and status, featuring voltage sampling, temperature measurement, and BMI (Battery Health Index) calculation.

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Modbus CO_2 Sensor–Model RC2-D

An industrial transmitter for precise measurement of CO_2, temperature, humidity, and ambient pressure in ppm and percent.Features an OLED display, auto-calibration, and supports Modbus RTU communication.





8-Channel Network Relay Output Module – Model R08-ND

An industrial module supporting Modbus TCP and LAN, designed for remote control of equipment through the network. Equipped with a digital display, internal IP filtering, and enhanced security features.

8-Channel Network Digital Input Module – Model R80-ND

An industrial module with ۸ isolated inputs, supporting both Modbus RTU and Modbus TCP, plus a LAN port for direct network connectivity.Designed for reliable and secure integration with monitoring systems.





Modbus PT1000 Transmitter Model RP1000-ND

An industrial transmitter for accurate temperature measurement using PT1000 sensors, supporting Modbus RTU & TCP.Features a digital display, advanced internal filtering, and reliable performance in harsh industrial environments.

Modbus Wind Speed Sensor Model RWS3-R

An intelligent industrial sensor for precise wind speed measurement, converting analog wind speed signals to Modbus RTU output. Ideal for integration with PLC and SCADA systems.



RAYA TECHNOLOGY

8-Channel Relay Output Card-Model R08

A compact industrial relay output card designed for fast, lightweight Modbus RTU and JSON communication, optimized for industrial control with high responsiveness.





RS-485 to JSON Converter Model RMC25

An industrial converter for bridging Modbus devices with JSON/HTTP network systems. Features a compact design with support for direct integration with PLCs and servers.

8-Channel Input Card-Model R80

An industrial module featuring 8 isolated digital inputs with Modbus RTU support. Designed in an ultra-compact 36 mm width with individual LED indicators for each input.





Modbus Temperature & Humidity Sensor Model AK2

An advanced industrial sensor with OLED display, LAN connectivity, and support for Modbus TCP and SNMP. Ideal for monitoring rooms and sending data to the server with high measurement accuracy and stability.

8-Channel Input/Output Card Model R44

An industrial module providing 4 isolated digital inputs and 4 digital outputs with Modbus RTU support. Compact design suitable for easy installation inside small electrical panels.



RAYA TECHNOLOGY

Earth Monitoring Device-Model RED71

An industrial module for monitoring Neutral and Earth status, capable of detecting faults such as Open Neutral, Reverse, and Ground issues. Includes status LEDs and supports Modbus RTU communication.





Modbus RTU to Matrix Converter Model RMC20

An industrial converter designed to transform Modbus RTU data into Matrix format via LAN. It features a fully isolated industrial design and includes status indicators to ensure reliable data transmission over the network.

Modbus RTU to Modbus TCP Converter Model RMC11

An industrial-grade converter for transforming Modbus RTU (RS-۴۸۵) to Modbus TCP (LAN), enabling seamless integration of legacy devices with modern systems.





Zone Expander

An industrial expansion module for increasing I/O capacity in RAYA RTU and monitoring systems. Supports Modbus RTU, features LED indicators for troubleshooting, and offers reliable performance in noisy industrial environments.

Battery Monitor BM20

An advanced multi-channel monitoring system for continuous and intelligent supervision of UPS batteries, featuring precise voltage measurement and real-time data reporting via Modbus TCP, RTU, and SNMP protocols.



RAYA TECHNOLOGY

Battery Monitor ICell Module Model BM-2

A compact and efficient version of the Battery Monitor series, supporting TCP, UDP, and SNMP communication protocols. This device continuously measures battery voltage and status, sending real-time data to the monitoring center.





Battery Monitor BM10-Model RVB102

A precise and industrial-grade monitoring unit designed for simultaneous monitoring of 10 batteries, supporting Modbus TCP, UDP, and Modbus RTU protocols. Features include a durable ABS enclosure, robust firmware, and an intelligent logging system for accurate battery health management.

Network Security Panel-Model SP25

A redesigned and enhanced version of the security panel featuring secure network communication with SNMP and UDP protocols, advanced control features, and improved cybersecurity layers. Provides more accurate data exchange and enhanced protection compared to earlier versions.





Network Security Panel Model SP24

An intelligent security panel supporting TCP, UDP, and SNMP protocols, designed for fast and reliable network-based monitoring of security systems.

Network Security Panel-Model SP23

A compact security controller designed for remote management of industrial equipment over LAN, supporting TCP communication with a simple and fast user interface.



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Network-Enabled Modbus Temperature & Humidity Sensor Model TH1-ESR2M

An industrial sensor capable of connecting via LAN and RS-۴۸۵, featuring dual outputs, onboard calibration, and robust hardware/software design suitable for factories, data centers, and server rooms.





Modbus Temperature&Humidity Sensor Model TH1-ECO

An industrial-grade sensor with a durable enclosure and fast response time, designed with an improved internal structure for enhanced precision and stability in temperature and humidity measurements.



Modbus Lux (Light Intensity) Sensor Model LX1-ECO

An optimized industrial sensor featuring a strong enclosure and improved optical design, equipped with Modbus communication, status indicators, and precise lux measurement for indoor environments.

Modbus Soil Moisture Sensor Model SM4-ECO

A rugged industrial probe designed for accurate soil moisture measurement at various depths, supporting Modbus RTU communication, with a fully sealed design and long-term stability.



RAYA TECHNOLOGY

Modbus Soil Moisture Sensor Model SM3-ECO

A durable and precise industrial sensor for measuring soil relative moisture (%RH). Equipped with Modbus RTU communication, a robust enclosure resistant to humidity, and a probe designed specifically for underground installation.





Modbus Temperature&Humidity Sensor Model TH1-ECO

An economical and precise version for measuring temperature and humidity. Supports Modbus RTU and includes two status LEDs for local indication.

3-Digit Modbus Display-Model D3-2010

An industrial LED display with high brightness and visibility for showing temperature, humidity, CO_2 levels, and wind speed.It supports Modbus RTU, displays up to four values simultaneously, and features a rugged, moisture-resistant enclosure suitable for harsh industrial and greenhouse environments.



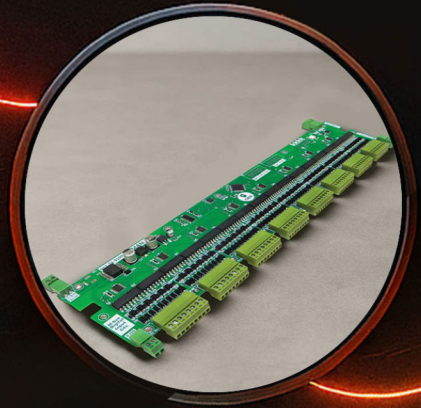


Modbus Lux (Light Intensity) Sensor – Model LX1

An enhanced and accurate lux sensor with a reinforced body, optimized optical design, and reduced noise. Provides fast response, supports Modbus RTU, and is suitable for professional lighting and industrial monitoring applications.

Modbus Digital Input Card-64 Channels Model DIM64

An industrial module for receiving large numbers of digital signals. Features 64 isolated inputs, Modbus RTU communication, noise-filtering circuitry, and a compact high-density design.



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Modbus Temperature & Humidity Sensor Model IM20-PRO

A high-precision industrial sensor for measuring temperature and humidity in sensitive and harsh environments. Features a rugged, explosion-resistant enclosure and supports Modbus RTU communication.





2-Channel Power Management Module – Model EPM2

An industrial module for managing backup and emergency power sources with fast switching capability, UPS support, and voltage fluctuation protection.

Modbus Lux (Light Intensity) Sensor Model LX1

A precise light-intensity measurement sensor with Modbus RTU communication, durable industrial design, compact dimensions, and cost-effective pricing.





Steam Controller & Protector Model H32

An intelligent module for controlling and securing gas or electric steam boilers. Supports Modbus RTU, provides manual and automatic modes, and includes audible alarms for critical operating conditions.

4-Channel Digital Input/Output Module – Model M44

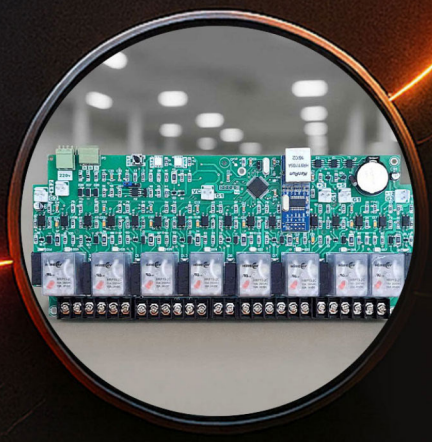
An industrial I/O module for automation and monitoring systems, featuring 4 digital inputs and outputs, Modbus RTU communication, isolated circuitry, and LED status indicators for quick diagnostics.

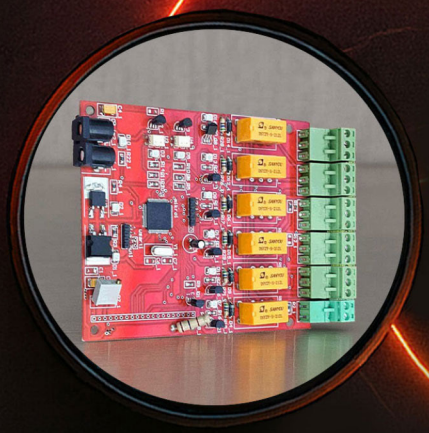


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High-Voltage AC Input/Output Module

An industrial module for controlling single-phase AC equipment, featuring 230V AC inputs and outputs, Modbus RTU communication, and compatibility with PLC/SCADA systems.





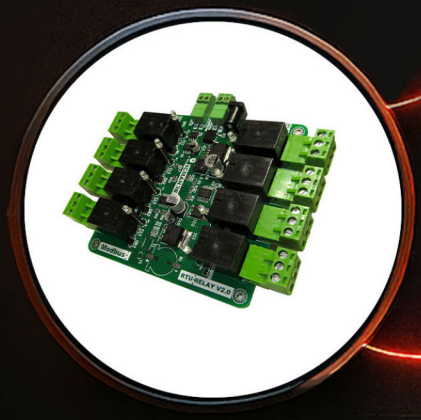
Mifare Gate Controller

A controller equipped with RS-485 communication, multiple inputs/outputs, ESD protection, and a secure architecture—designed for metro gates and city access-control systems.

Rack Power Distribution Unit (PDU)

An intelligent system for managing and controlling power distribution in data centers and server rooms, equipped with ۸ independent channels and precise current-monitoring capabilities.





Modbus Relay Output Card Model RM1 (8-Channel)

An industrial Modbus RTU relay output module designed for controlling equipment in compact electrical panels or constrained environments.

Modbus Temperature & Humidity Transmitter – Model M1

A high-accuracy device for measuring ambient temperature and humidity, featuring analog outputs, Modbus RTU communication, a digital display, auto-calibration, and precise temperature-setpoint configuration.





IoT and Smart Automation Projects

RAYA TECHNOLOGY

Bank Shahr Infrastructure Monitoring System

A unified monitoring platform designed for real-time supervision of Bank Shahr's infrastructure equipment (UPS, network, power systems, ATM, etc.). This system enables centralized analytics, reporting and alerting.With its dedicated hardware and software architecture, it provides stable communication between all branches and the central monitoring center.





Bank Shahr Self-Service Banking (ShahrNet) Monitoring System

An integrated monitoring system developed for all ShahrNet smart branches.It continuously monitors operational and security status, UPS and emergency equipment, providing real-time reporting, alerts and remote control capabilities.

Small-Scale Greenhouse Automation System – Model SG2

An economical and reliable system designed for controlling temperature, humidity and ventilation in small greenhouses.





Industrial Greenhouse Automation System – Large-Scale Model BG2

An industrial-grade platform designed for automatic control of temperature, humidity, lighting and ventilation in large commercial greenhouses, equipped with advanced intelligent algorithms.

Buried-Type Online Pressure Data Logger – Version 3

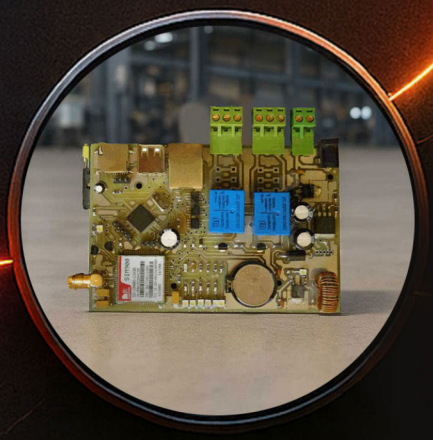
A rugged, moisture-sealed, anti-corrosion device designed for long-term measurement and monitoring of pressure in buried pipelines.

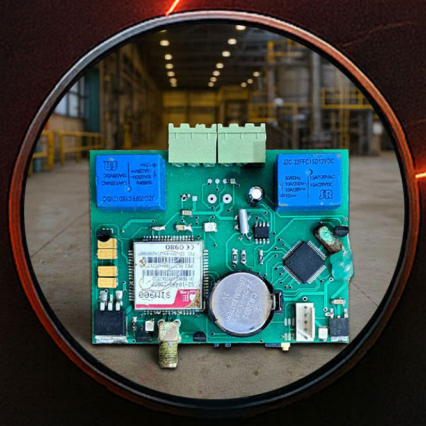


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Online Temperature Data Logger Version 3

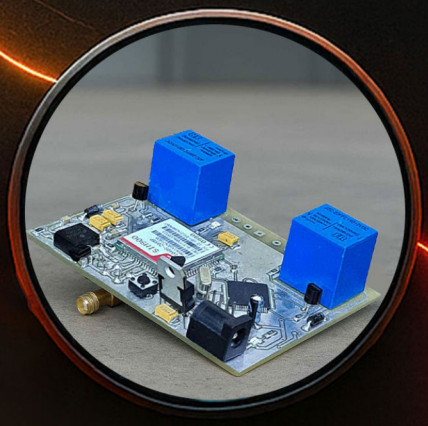
An enhanced version equipped with upgraded internal memory and support for USB Flash and SD Card for data storage and transmission.





Online Temperature Data Logger Version 2

This economical version was created by simplifying the circuit and removing costly modules, reducing the production cost while maintaining accuracy and stability.



Online Temperature Data Logger Version 1

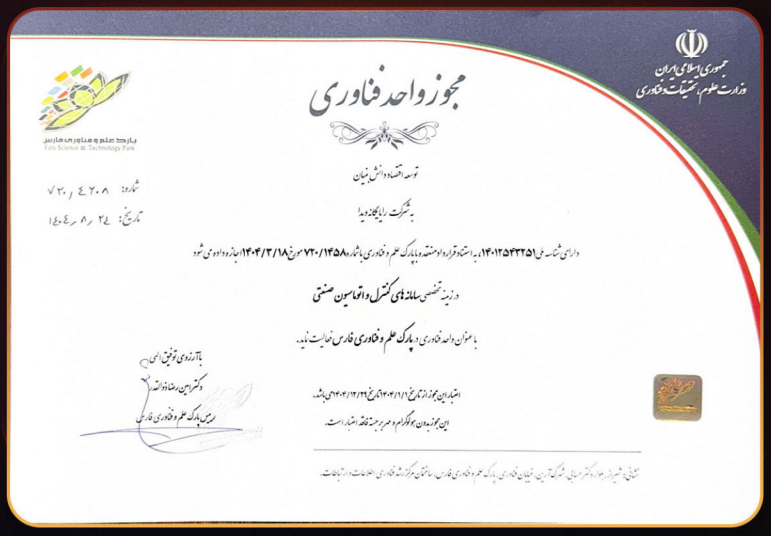
A compact and low-power device designed for measuring and transmitting temperature and humidity data remotely via GSM module and GPRS network.

Custom Temperature and Humidity Data Logger

This data logger is designed for precise and stable measurement of temperature and humidity, addressing challenges related to sensor instability and long-term data storage.



RAYA TECHNOLOGY



جمهوری اسلامی ایران
وزارت علوم، تحقیقات و فناوری

پارک علم و فناوری فارس

مجوز واحد فناوری

توسعه اقتصاد دانش بنیان

به شرکت رایا یگانه ویدا

دارای شناسه ملی ۱۴۰۱۲۵۴۳۲۵۱ به استناد قرارداد منعقده با پارک علم و فناوری به شماره ۷۲۰/۱۴۵۵۸ مورخ ۱۴۰۴/۳/۱۸ مجاز و دعوت می شود

در زمینه تخصصی سامانه های کنترل و اقتصاد انرژی صنعتی

با عنوان واحد فناوری در پارک علم و فناوری فارس فعالیت نماید.

اعتبار این مجوز از تاریخ ۱۴۰۴/۱/۱ لغایت ۱۴۰۴/۱۲/۲۹ می باشد.

این مجوز بدون هولوگرام و مهر برجسته فاقد اعتبار است.

شماره: ۷۲۰/ ٤٢٠٨

تاریخ: ۲٤/ ۸/ ۱٤٠٤

Technology Unit License

Ministry of Science, Research and Technology



جمهوری اسلامی ایران
وزارت صنعت، معدن و تجارت

شماره: ۶۵۷۰۵۵۳
تاریخ: ۱۴۰۲/۰۸/۲۶
شناسه کسب و کار: ۲۲۲۷۵۹۶۲۱۲۶۱

جواز تاسیس
ویژه تولید، طراحی، مونتاژه
ایجادی

وزارت صنعت، معدن و تجارت

به شرکت رایا یگانه ویدا (سهامی خاص) ثبت شده به شماره ۶۰۶۸۰ مورخ ۱۴۰۲/۰۶/۱۲ با شناسه ملی ۱۴۰۱۲۵۴۳۲۵ در اداره ثبت شرکت ها و موسسات غیر تجاری اجازه داده می شود:

محصولات:

ردیف	نام محصول	شماره کد	ظرفیت اسمی (سالیانه)
۱	تجهیزات سولنوئیدی الکتریکی (دیجیتال)	۳۲۲۰۴۱۴۳۰۳	۹۰ دستگاه

در استان فارس شهرستان شیراز شهرک صنعتی بزرگ شیراز (جرقان) نسبت به احداث واحد صنعتی با مشخصات ذیل اقدام نماید.

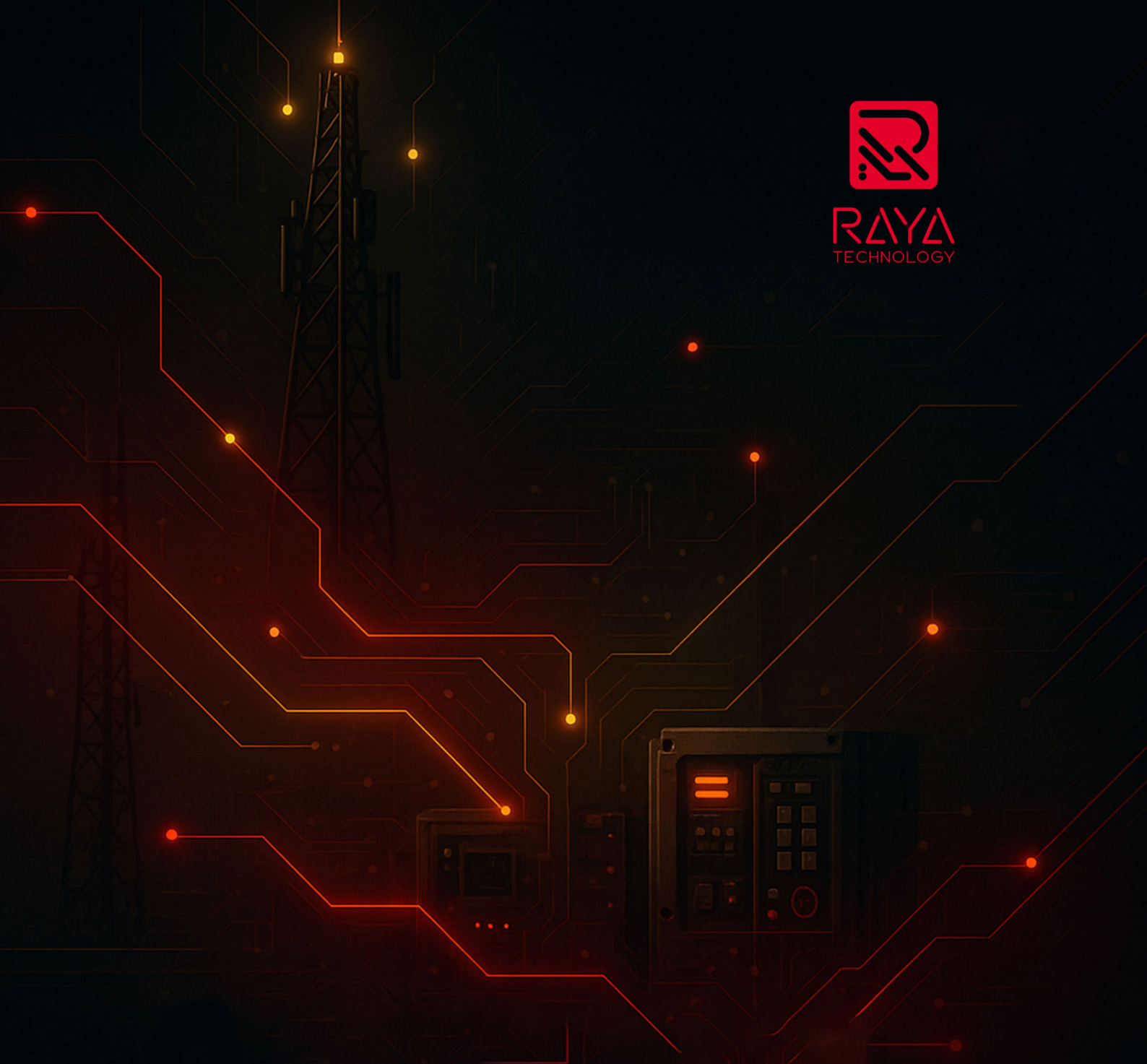
موضوعات مصرفی سالیانه:

گاز طبیعی شش هزار (۶,۰۰۰) متر مکعب نفت گاز صفر (۰) لیتر نفت کوره صفر (۰) لیتر

پیش بینی مدت اجرای طرح ۱۲ ماه

Establishment Permit

Ministry of Industry, Mine and Trade



RAYA
TECHNOLOGY

Contact Us

+989177391091

malekipcb@gmail.com

hoseinmaleki.com

IRAN, Fars Science and Technology Park,
Oil & Gas Building, Unit 5007


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