DEMSAY EdgeIoT IIoT Control and Monitoring System

CLOUD

SENSOR 2

LoRa

REMOTE CONTROL AND MONITORING SYSTEM

The Industrial IoT Control and Monitoring System is an innovative IoT solution designed for monitoring and managing industrial processes. Thanks to its modular structure, it easily adapts to different industrial needs. The system stands out with its long-distance data communication, low energy consumption and cloud integration features.

Flexible Connection Options: Reliable communication with WiFi, GSM and LoRa.

Remote Management: Relay-based control of devices and systems.

Cloud Integration: Remote monitoring and analysis of data.

Low Power Consumption: Optimized structure for long-term field use.

Real-Time Monitoring: Instant monitoring of environmental and operational data.

SMARY BUILDINGS   IOT INTEGRATION   PRODUCTION LINE   WAREHOUSE MANAGEMENT   SMARGY BUILDEMEN
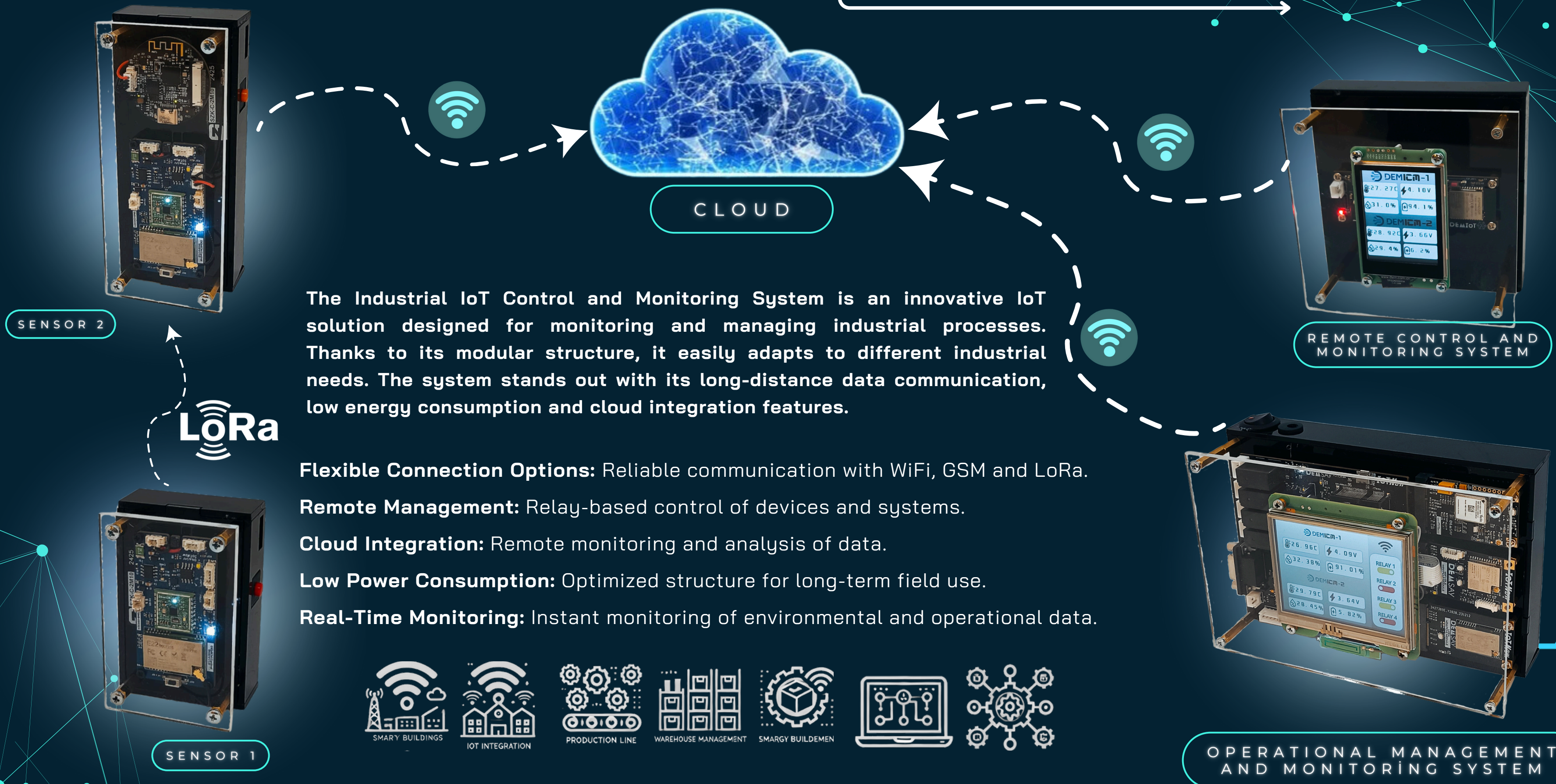
SENSOR 1

OPERATIONAL MANAGEMENT AND MONITORING SYSTEM

DEMSAY EdgeIoT DEMICM Sensor Module

DEMICM

DEMSAY'S LOW ENERGY IC MODULE, POWERED BY THE ARM CORTEX M0+ ARCHITECTURE, COMBINES HIGH PERFORMANCE AND ENERGY EFFICIENCY, MAKING IT IDEAL FOR MODERN TECHNOLOGY NEEDS. FEATURING A TEMPERATURE AND HUMIDITY SENSOR, 3-AXIS ACCELEROMETER, AND LORA MODULE, IT ENABLES PRECISE DATA COLLECTION AND LONG-RANGE COMMUNICATION.WITH ITS SINGLE-CELL BATTERY CHARGER, BATTERY MONITORING IC, SPI INTERFACE, AND RS485 CONNECTION, IT ENSURES EFFICIENT ENERGY MANAGEMENT AND SEAMLESS INTEGRATION. COMPACT AND VERSATILE, DEMSAY'S TECHNOLOGY IS PERFECT FOR IOT PROJECTS, SMART SYSTEMS, AND INDUSTRIAL APPLICATIONS.

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DEMSAY EdgeIoT DEMICM - DEMCLOUD Sensor and Connection Module

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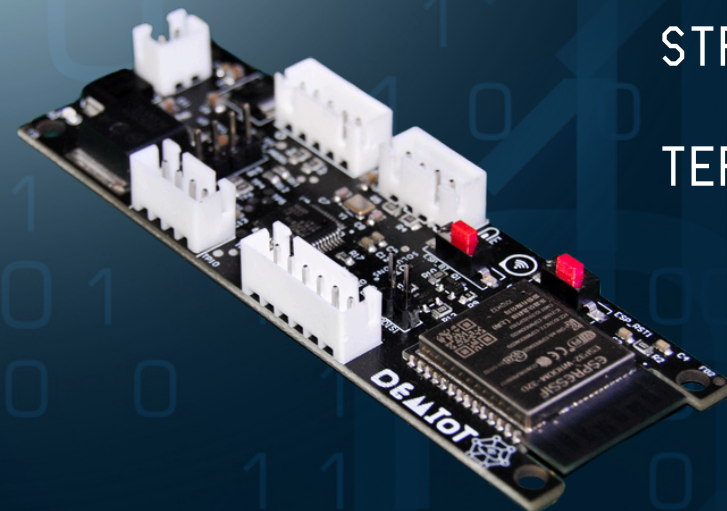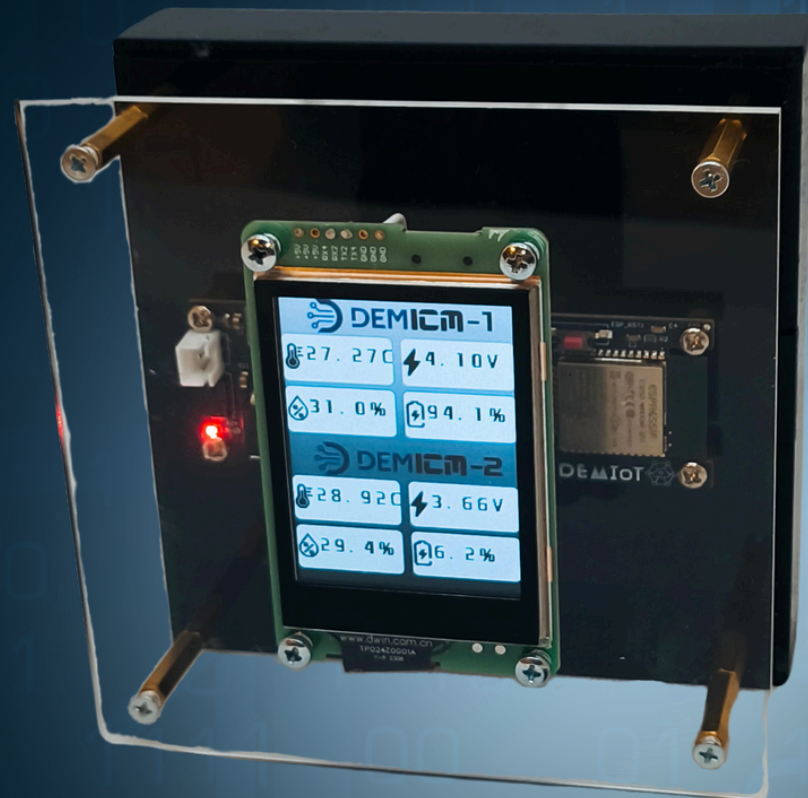
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DEMSAY EdgeIoT Remote Control and Monitoring System

THE WIRELESS CONTROL PANEL AND MONITORING MODULE IS AN INNOVATIVE SOLUTION DESIGNED FOR MONITORING AND MANAGING INDUSTRIAL PROCESSES. THIS MODULE ALLOWS REAL-TIME MONITORING OF CRITICAL PARAMETERS SUCH AS TEMPERATURE, HUMIDITY, AND BATTERY STATUS. IT OFFERS INSTANT VIEWING AND MANAGEMENT OF ALL SYSTEM STATUSES WITH ITS USER-FRIENDLY 2.3-INCH SCREEN. IT COMMUNICATES SEAMLESSLY THANKS TO WIFI AND BLUETOOTH INTEGRATION AND HAS AN EXPANDABLE STRUCTURE WITH EXTERNAL SENSOR SUPPORT. IT IS SUITABLE FOR LONG-TERM FIELD APPLICATIONS WITH ITS ENERGY-EFFICIENT STRUCTURE.

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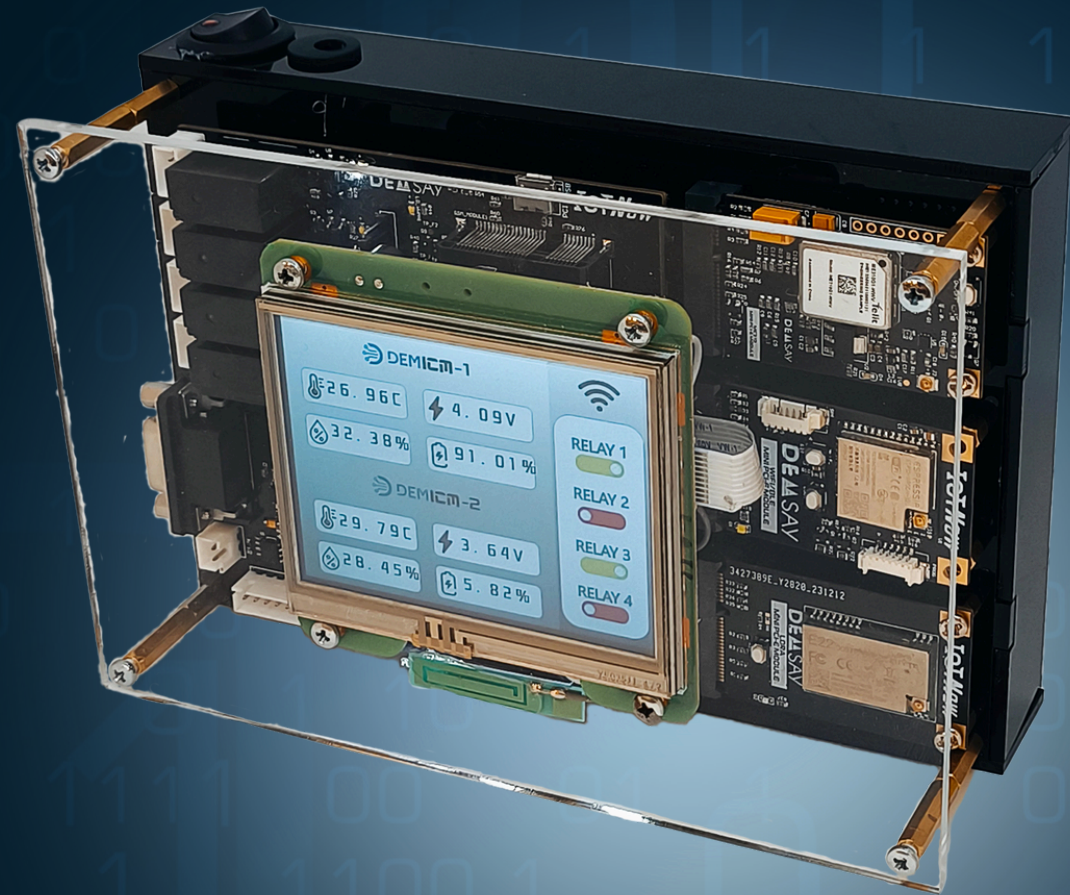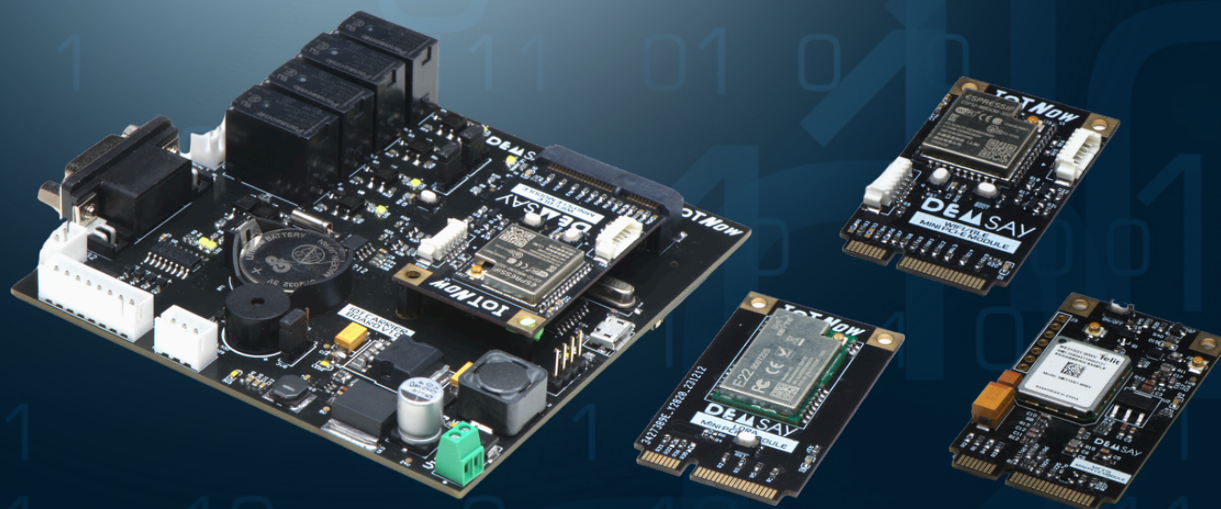ESPRESSIF

DWIN®
ideal partner for you

THE IOT CARRIER BOARD IS DESIGNED FOR USE IN INDUSTRIAL WIRELESS COMMUNICATION PROJECTS. WITH SUPPORT FOR MINI PCI-E COMPATIBLE MODULES, IT PROVIDES CONNECTIVITY FOR THE MPCIE FORM 2G-NB IOT CATM1 + GPS/GNSS GSM MODULE AND BLE-WIFI MODULE. IT FEATURES 4 RELAY OUTPUTS, RS232 CONNECTION, EXTERNAL UFL ANTENNA CONNECTION, ISOLATED POWER INPUT SUPPORTING UP TO 40V, AND A MICRO USB CONNECTION.

CAVLI wireless

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