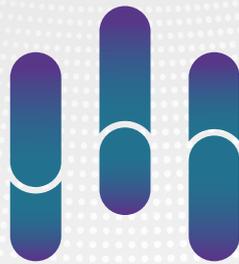


# Unified Data Connectivity



**DATA BRIDGE**

D Y N A M I C

[www.databridgedynamic.com](http://www.databridgedynamic.com)

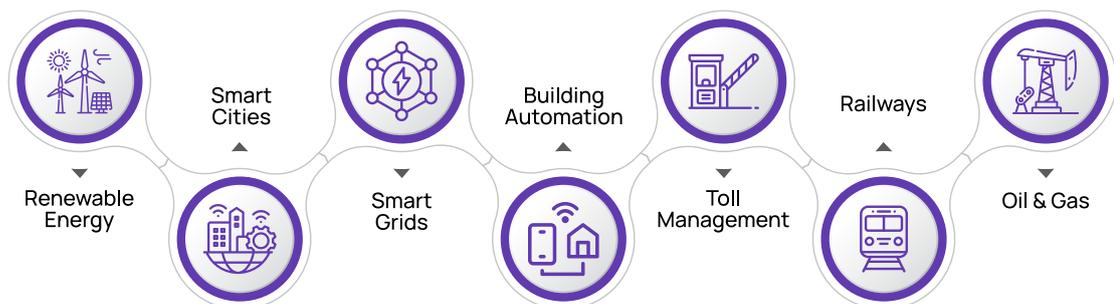


## Industrial Networking Solutions

**Smart & Scalable** – Databridge Dynamic delivers rugged, high-performance Industrial Communication Products to ensure secure and stable operations across industries.



Our products are engineered for diverse industrial scenarios, including applications across:



## How We Work



### Collaboration

Breakthroughs through open dialogue and collective effort. Offering solutions on collaboratively understanding industry requirements.



### Continuous Learning

Staying ahead in markets, products, and compliance.



### Integrity

Growth built on transparency, responsibility, and ethics.

## Our Technology Stack

- ▶ HSR/PRP Enabled Network Switches
- ▶ PTP/TSN-Enabled Networking Devices
- ▶ Secure Routing, Layer 2/3
- ▶ MACsec-encrypted Gateways
- ▶ Cloud Management, Real-time Monitoring Dashboards
- ▶ Versatile I/O: RS232/RS485, SFP, Ethernet, LoRa/WiFi
- ▶ Multiprotocol: Modbus, Ethernet/IP, DNP3, BACnet, IEC 101/104/61850
- ▶ Integrated Analog / Digital Terminals
- ▶ Wide-temp, Surge-protected hardware



# Product Showcase



# Ethernet Switches



- ▶ Up to 52 Gigabit Ethernet/Fiber ports with PoE options.
- ▶ Advanced management: VLAN, QoS, IGMP, SNMP.
- ▶ Unmanaged, Managed, L2, L2 +, L3, PoE-AF/AT, PoE-BT, UPoE.
- ▶ Ring redundancy: MRP, ERPS, RSTP, MSTP.
- ▶ Precision Time Protocol (PTP) for sub-microsecond sync.
- ▶ IPv4/IPv6 support.
- ▶ Redundant Power Inputs.
- ▶ Surge/ESD protection, IP30/IP40 enclosure ratings.
- ▶ Support with RS 485 & IO's for field instrument compatibility.
- ▶ Industry certified: CE, FCC, MTCTE, IEC 61850, IEC 62443.
- ▶ Rugged metal housing with wide temperature range (-40°C to +85°C).



# Wireless Gateways



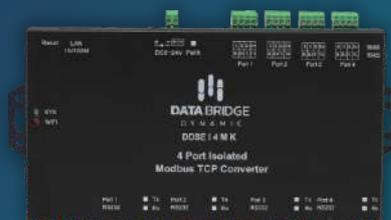
- ▶ 4G/5G, 5G Red Cap support.
- ▶ Dual SIM slots with automatic failover and load balancing.
- ▶ Supports MQTT, HTTP, Modbus, DNP3, IEC 60870-5-104 protocols.
- ▶ Scalable for Smart Cities, Utilities, and Industrial IoT.
- ▶ Built-in VPN, IPSEC firewall, and access control for secure data transmission.
- ▶ Secure bidirectional data synchronization.
- ▶ Multi-WAN connectivity: Cellular, Ethernet, WiFi redundancy.
- ▶ Alarm gateway for SMS/EMail/SCADA Alerts.
- ▶ Integration of AI,DI,AO,DO for direct Cellular Connectivity to Cloud.
- ▶ Analog / Digital I/O: AI, AO, DI, DO with multiple ranges (0–20mA, 4–20mA, 0–5V, 0–10V).
- ▶ Long-range wireless communication with LoRa modulation.
- ▶ Rugged industrial design for outdoor and remote applications.
- ▶ DIN-rail and wall-mount industrial designs.



# Protocol Gateways



- ▶ Protocol conversion for Power, Water, Oil & Gas, and Industrial Automation.
- ▶ Supports Modbus, Ethernet/IP, DNP3, IEC 101/103/104, IEC 61850.
- ▶ Protocol Gateways supporting upto 32 Ports Modbus RTU to Dual Redundant Modbus TCP conversion.
- ▶ Flexible mapping with intuitive configuration tools.
- ▶ Redundant communication interfaces for high availability.
- ▶ Designed for Substation and mission-critical environments.
- ▶ Encryption & Security features such as Blowfish, DES, AES, VPN available.
- ▶ AAA-Based Security Access Control.
- ▶ Serial Isolations upto 3KV.



# Building Automation Controllers Gateways



- ▶ Multi-protocol support: BACnet, Modbus, Ethernet/IP, M-Bus, LonWorks, Johnson N2.
- ▶ Conversion for BACnet IP/MSTP to MQTT / HTTPS protocol.
- ▶ Seamless integration with HVAC, Lighting, Energy, and Access Control Systems.
- ▶ Remotely monitor, configure and upgrade firmware upgrade capabilities.
- ▶ Flexible mapping and interoperability for legacy and modern systems.
- ▶ Live support for CSV file integration and setup.
- ▶ Support upto 250 BTU meters in Mbus converters.
- ▶ Supporting Kamstrup, Belimo, Sinatec, and Landis+Gyr BTU meters.
- ▶ Use of BTL approved system modules.
- ▶ Rugged enclosures with extended temperature operation.



# Remote I/O Modules



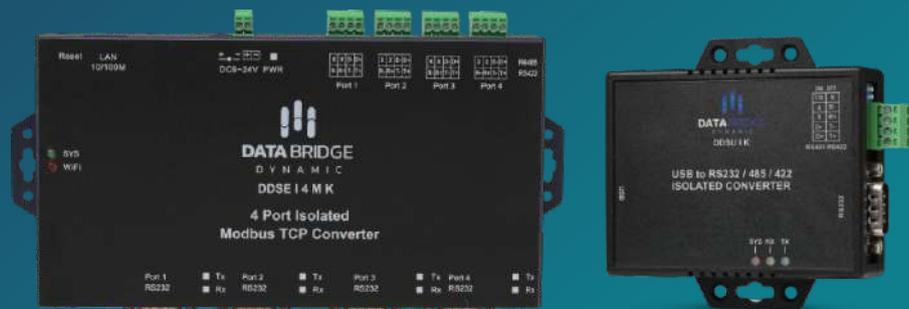
- ▶ 1 to 72 channels with AI, AO, DI, DO configurations.
- ▶ Protocol support: Modbus RTU/TCP, MQTT, HTTP/HTTPS.
- ▶ Supports 4G connectivity.
- ▶ Modular design for easy expansion and maintenance.
- ▶ DIN-rail and wall-mount options.
- ▶ Wide operating temperature and rugged design for field use.



# Interface Converters & Device Servers



- ▶ RS232 to RS485/422 Converters, Isolators.
- ▶ RS232/485 to Ethernet Converters with Transparent Data Transmission.
- ▶ USB-to-Serial adapters with industrial-grade protection.
- ▶ Isolated channels to eliminate ground loop interference.
- ▶ Surge and ESD protection for reliable operation.



# PoE Injectors / Extenders/ Surge Protectors



- ▶ Supports IEEE802.af, 802.3at, 802.3bt and upto 90W.
- ▶ Available in both Gigabit (10/100/1000Mbps) and non-Gigabit (10/100Mbps) models to match various network requirements.
- ▶ Upto 10KV protection for Surge Protectors.
- ▶ Offered in industrial-grade (wide temperature range, rugged housing, DIN-rail mounting) and commercial versions for flexible deployment.
- ▶ Compact, plug-and-play design with built-in protection for over-current, over-voltage, and short-circuit scenarios.
- ▶ PoE extenders ranging upto 400m.



# Strengths of Databridge Dynamic

## Complete Ecosystem

Switches, Gateways,  
Remote IO's, Cloud Integration.



## Industrial-Grade Reliability

IP 30/40 Wide-temp, EMI/EMC  
resistant, high MTBF.

## Modularity

Flexible reconfiguration  
onsite.



## Customised product solutions

Modular Hardware and Firmware,  
need based customisations.

## Interoperability

Physical/Protocol Converters  
for seamless integration.



## Focused Customer Service

Immediate remote resolutions.  
Prompt replacements  
On site technical support.



## Security & Compliance

EN, CE, IEC, MTCTE certified  
IEC 62443-4-1/2, VPN, IPSEC  
AAA Certified, RADIUS, TACAS+.



# Sales Meets Service, Seamlessly



Nationwide Sales/  
Service Teams



Technical Support &  
Remote Troubleshooting



Field Service &  
System Integration



24-hour Resolution  
System



## Driven by Purpose. Engineered for Progress.

### About us

At Databridge Dynamic, we are not just Technocrats—we are a Community united by experience and innovation, we focus on building robust, well-engineered products while delivering exceptional customer service.

Our culture is shaped by resilience, ambition, and a constant drive to push boundaries toward the cutting edge. We started in a moment that called for courage and belief, and our paths since then have been guided by trust and the strength we have found in working together.

### Our Mission

To deliver rugged, scalable, and future-ready communication solutions that empower organizations worldwide—driven by technology, people, and integrity.

### Our Vision

To be a trusted global leader in industrial connectivity, enabling industries to thrive through innovation, reliability, and sustainable progress.



# DATA BRIDGE

D Y N A M I C

## **Databridge Dynamic Private Limited**

 Address : 112 Kumar Sahawas, Baner- Pashan Link Road Pashan Pune - 411021

 [info@databridgedynamic.com](mailto:info@databridgedynamic.com)  9028762139/40  [www.databridgedynamic.com](http://www.databridgedynamic.com)