



**We make data accessible and help you monitor your plant operations.**

## REAL-TIME DATA ACCESS

- We provide hardware, software, and cloud services to acquire, store and display data from your productive processes so as to increase plant production.

## COLLECT DATA FROM YOUR PLANT OPERATIONS



### DOT: Wireless IoT Remote Unit

It is an interface with field instruments and sensors. It possesses digital I/O and analog inputs. It sends data to our 4i's DASH router using wireless mesh technology.

#### DOT: Data Sheet

- ✔ 8x 24VDC PNP digital inputs (HSC capacity)
- ✔ 4x solid state digital outputs (400VAC/DC@230mA RMS)
- ✔ 2x0-10V + 2x0.20mA analog inputs 100ms sampling rate
- ✔ 2.4Ghz wireless mesh connection
- ✔ Remote configuration
- ✔ Programmable PLC function
- ✔ Power supply 9-34 VAC/VDC
- ✔ Backup battery



### DASH: Wireless IoT Gateway

It is a device which collects data from 4i's DOTs by means of a stable wireless network. This device collects, stores and forwards data packets to 4i's server without losing information. Ethernet and Wi-Fi versions are available.

#### DASH: Data Sheet

- ✔ Wi-Fi and Ethernet versions
- ✔ 1GB store & forward capacity
- ✔ Supports up to 5 DOTs at maximum frequency
- ✔ Remote configuration and firmware update
- ✔ 100-240 VAC power supply
- ✔ IP64 enclosure



### LAC: Local Agent Computer

Windows-based device used to host OPC servers and 4i's PLC agents. It performs NAT functions. LAC uses Siemens, Allen-Bradley, and Modbus TCP protocols. It possesses multiple network adapters for multiple information layers.

#### LAC: Data Sheet

- ✔ Solid state industrial computer
- ✔ Direct connection to 4i servers: Cloud and On-Premise
- ✔ Store and forward functionality
- ✔ Supports all 4i Agents, OPC-DA, OPC-UA, Siemens, Allen-Bradley and Modbus TPC.
- ✔ WiFi + 4x Ethernet adapters
- ✔ Quick and easy configuration through "Hot-spot" connection

## PROCESS AND STORE DATA IN THE CLOUD



**3 types of servers available. Choose the one that meets your needs.**

### SERVER: IoT Servers

Server used for data collection and acquisition from 4i's DASH and PLC agents. Flexible topology allows you to process data when needed. Enterprise, cloud, and on-premise box versions are available.

#### ON-PREMISE BOX VERSION

- ✔ On-Premise - stand alone (makes replication possible)
- ✔ Includes 200 tags (it can include up to 500 tags)
- ✔ Stores up to 10 GB of real-time data
- ✔ Includes OPC agent

#### CLOUD VERSION

- ✔ Requirement of internet access
- ✔ Continuous and free upgrades
- ✔ Monthly payments
- ✔ Historical data from the previous five years
- ✔ 4i tools for free
- ✔ BI capacity

#### ENTERPRISE VERSION

- ✔ "Off-the-rack" server
- ✔ Unlimited number of tags and disk storage
- ✔ High-performance and high-volume applications
- ✔ Hot standby option

## BENEFITS OF IOT PRODUCTS



### COST REDUCTION

Modern technology is cheaper than ever and technological tools now offer a cost-effective alternative to collect high-quality data.



### FAST SETUP AND EASY INSTALLATION

These digital transformation tools are easily installed and make constant communication possible throughout all your devices.



### OPEN CONNECTIVITY

Full connectivity with your controllers, PLC, SCADA, VFD, smart meters, and other devices. Use your existing network or one of 4i's routers to perform complete supervisory monitoring in the cloud.



### DATA ACCESSIBILITY

Every day, more companies store data in reliable servers in order to have essential information in hand. By storing information in the cloud, you will have 24/7 access to data on any device at any given moment.



### FILE SECURITY

Security is an essential aspect for any company. Cloud storage is secure and offers multiple systems to ensure data is available and 100% protected at all times.



### INNOVATION

Technological advancements have allowed industries to make huge advancements during the 21st century, making it possible for industries to exponentially improve on their operations. Therefore, we possess innovative technologies for Industry 4.0.

Learn which IoT solutions best suit your company.  
For further information, please contact our 4i Platform experts.  
Send us an e-mail to [sales@4iplatform.com](mailto:sales@4iplatform.com) - Call us on +1 412 257 1505.