

Flyer



DHS IOTDDC.M5

LoRa Ethernet controller with integral IT technology

Controls Division

The **IoT DDC** controller succeeds in extended connectivity in IoT, Building Management and Data Analysis. The **IOTDDC.M5** is compatible with the existing BACnet and Modbus systems in size, functions and technology. The connection versions correspond functionally to the other BACnet gateway in the market, with features including LoRa wireless connection, Ethernet, an on-board web server and Wifi or 4G modules to enhance the connectivity.

Connection technology and labelling have been strongly enhanced. With the IOTDDC, it is possible to connect LoRa modules with various I/O and high-level connections.

These new IOTDDC controllers – with the Web Server.OS operating system, integral BACnet or Modbus and LoRa-Net concept – set new benchmarks for performance and communications capabilities. With integral LoRa interfaces and equipped with RJ 45 Ethernet connections, the IOTDDC.M5 is a communications marvel. FTP access is also supported, like web access, by means of http direct.

In addition to the LoRa data point modules in the basic unit, it features with features to connect BMS control, for example Tridium®. By configuring the inputs of various LoRa signals, the data can be retrieved and analysed, it is even possible to use the IOTDDC.M5 as an economical solution in machine, energy and system building intelligent solutions.

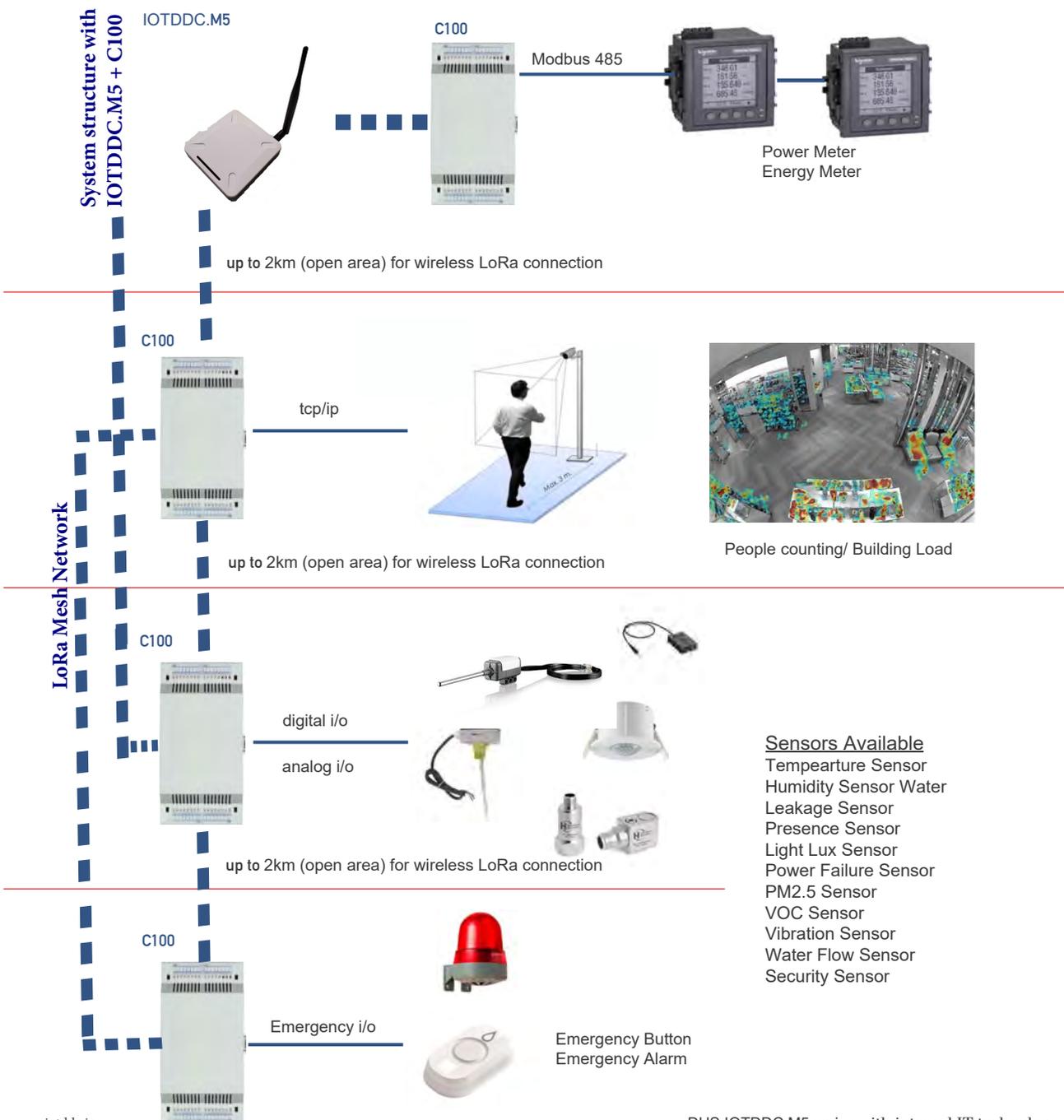
IOTDDC.M5 automation systems: LoRa device series, flat construction

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Strong functions – already integrated in the base unit

- **Up to 64 inputs/output**, can be freely equipped with digital, analogue, counting, measuring and/or weighing modules
- **Up to 10 LoRa endnodes with C100**
- **1 MByte user memory** for programs, text and data blocks
- Large selection of **optional memory** for convenient uploading and downloading of program changes and backup
- **Field-bus connections** like Ethernet-TCP/IP, integral modems, USB, Modbus and BACnet
- **Web server at no extra price** already included in base unit (without additional TCP/IP communications modules)

IOTDDC.M5 system structure:

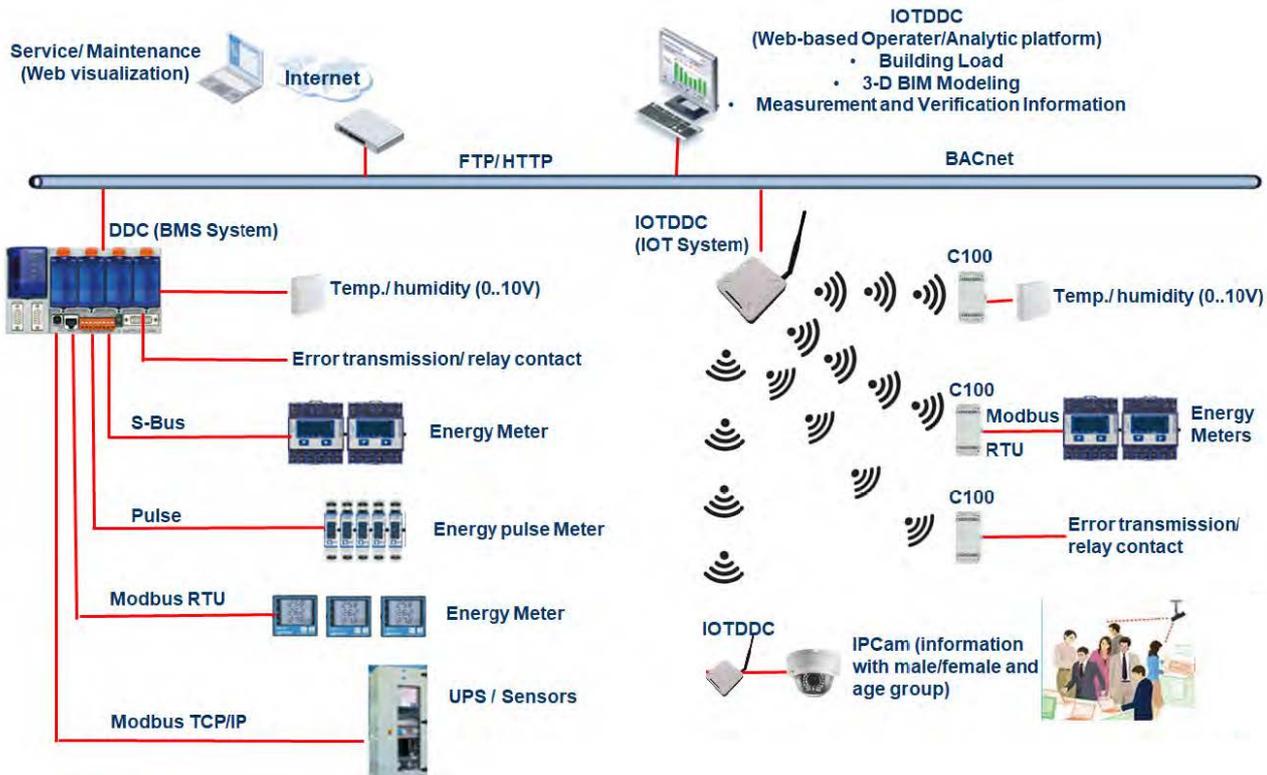


LoRa Technical data



LoRa frequency	: 920.125MHz - 925.125MHz
Air data baud rate	: 19.2Kbps
Max connection per gateway	: 10 endnodes
Mesh network maximum devices	: 850 devices
Response time for alarm	: < 1 sec for open area < 100m < 5 sec for open area < 500m < 10 sec for open area < 1,000m
Maximum node	: 2,550 nodes

Implementation



DHS IOTDDC

Control Systems and Components

Contact

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