

RFID Device Controller Unit (DCU) Datasheet

The RFID Reader Controller is a device that implements middleware logic to drive low-end RFID readers with Serial or USB interfaces. Collected data is temporarily stored in Flash memory and propagated across a Local Area Network. The device implements customized middleware logic, based on your implementation needs.

As a result, the Reader Controller provides a cost-effective middleware solution, replacing the need for a PC to interface with RFID hardware.

Input:

The DCU supports a very wide range of Data Readers:

- UHF RFID reader
- HF RFID reader
- 2D Barcode reader
- Smart card reader

Other sensors and readers can be customized to work with the DCU if requested.

Output:

Data captured by the DCU can be saved on a local memory to be retrieved later on. Data can be retrieved from the DCU through:

- Easily removable SD Card.
- RS232 port connected to a PC.
- Ethernet port connected to any network.
- WIFI Connection

Power:

Power supplied to the controller is directly fed to the reader, eliminating the need of power supply for each reader.

Technical Specifications:

- Communications interfaces
 - Ethernet
 - RS232
- Data transfer rate
- I/O rating
 - input: 4.5VDC~24VDC
 - output: 0~30VDC
- Operating temperature
 - 0° C to 50 °C (32 °F to 122 °F)
- Storage temperature
 - -20 °C to 70 °C(-4 °F to 158 °F)
- Humidity
 - 90% Non-condensing
- LED power indicator
- Accessories: Cables and power supplies