



Company: Small Data Garden
 Product name: IOTSU® E Ink for LoRaWAN®
 Product code: IOTSU® L2 EPD02
 Rev: 2.4_10thFeb 2022



IOTSU® E Ink for LoRaWAN®

IOTSU® E Ink can be used to display data from IoT applications including for example real estate management, logistics, industrial processes, and retail. Wirelessly connected content displays allow for convenient monitoring of information such as water and electricity consumption of apartments, air quality measurements or even cloud-based data.

IOTSU® E Ink can improve the usability of many battery-powered IoT devices such as real estate meters, cold-chain temperature data loggers and environmental sensors. The LoRaWAN® communication interface enables smooth data transfers to and from the cloud.

Configuration tool allows the display content to be customized based on customer needs and allows presenting of user specific content such as sensor readings and QR-codes. IOTSU® E Ink provides at-a-glance visibility into data in real estate, logistics and manufacturing applications. The unit has a well-defined API for interfacing with different cloud platforms.

MEASURING AND RECORDING:	
	<ul style="list-style-type: none"> E Ink Display Unit
TECHNICAL SPECIFICATIONS:	
	LPWAN device with configurable electrophoretic display
Dimensions	: 80 x 120 x 35 mm
Weight	: 200 g with battery
Display size	: 38,1 mm x 57,2 mm (2,7")
Display features	: 264 x 176 pixel (117dpi), black/white
Update query rate	: Configurable, default 20min
Connectivity	: LoRaWAN®
Battery	: C, 3.6 V, lifetime with default settings 5 years, replaceable
IP Class	: IP30
Operating Conditions	: 0 °C ...+50 °C, humidity RH 40...85 %, non-condensing
Mounting	: Screws, adhesive tape
*Default profile: Query rate 20 min, Update rate 1 h, SF12.	



IOTSU® products shall not be used in any other way than their intended use defined by Small Data Garden. IOTSU® products are designed for LPWAN technologies collecting non-critical information. Small Data Garden will not be held liable for any damage which may result from inaccurate readings and delayed data transmission. For more information see SDG's General Terms and conditions for the supply of products and Legal Notices.

Legal notices

The user right of Small Data Garden's firmware is limited to the version and specifications confirmed by Small Data Garden. Any unauthorised usage of device is prohibited and must be suspended by request of Small Data Garden. In addition, Small Data Garden is entitled to charge for unauthorised usage including administrative and solving cost.

Small Data Garden shall not be responsible for damages caused by the user connecting the Products and/or using the Products in any other way than their intended use nor for any damages caused by materials or product design defined by the Client or by the working or manufacturing processes the Client has determined.

IOTSU® products are designed for collecting non-critical information for optimising energy consumption in long term usage and the products are not intended to be used for life and security critical solutions. We rely on high-quality sensor, component and software suppliers and manufacturers and IT, LP-WAN and cloud service providers.

However, for the reason that accuracy and redundancy is depended among other things on operating circumstances, radiotechnology specifications and coverage, and because Small Data Garden relies on specifications provided by its suppliers, Small Data Garden will not be held liable for any damage which may result from inaccurate readings.

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