Arduino Portenta X8 - ABX00049

Minicomputer User Manual

ARD-21281

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1. Usage Information and Warnings

1. The device should operate in conditions consistent with its intended use.
2. Avoid improper connection of wires. Incorrect connection may lead to short circuits and damage to the equipment.
3. To ensure proper operation of the equipment, provide it with an appropriate power source according to its specifications.
4. Do not directly touch unprotected parts of the equipment, as this may lead to short circuits or the transfer of electrostatic charges.
5. Operating in high humidity environments can affect the operation of the electronics, leading to damage and errors in sensor readings.

2. Unpacking and Assembly

1. **Unpacking** – checking the completeness of the set and the condition of the elements.
2. **Connection** – plugging in the necessary elements to the minicomputer's connectors.
3. **Operating System** – uploading the operating system to the data carrier.
4. **Startup and Configuration** – configuring the minicomputer settings.

3. Intended Use

The product is intended for use within the parameter ranges specified by the manufacturer and should be used only by qualified personnel trained to operate this product. Before each use, check the product for damage and do not use it if any defects are found. Failure to follow the manufacturer's guidelines may cause potential product damage.

4. Technical Specification

Product code	ARD-21281
EAN13	7630049202832
Weight:	0.038 kg
Dimensions	Width:6, Height:11.5, Depth:2.5 cm
UC - Microcontroller	STM32H747XI
UC - Microcontroller	NXP i.MX 8M
UC - Digital pins	22

UC - PWM	4
UC - analog in	8
UC - Flash	16 GB eMMC
UC - RAM	2 GB
UC - USB	USB C
UC - Core	Cortex A53
UC - Core	Cortex M4
UC - Core	Cortex®-M7
UC - WiFi	yes
UC - Bluetooth	yes
UC - Connector	USB typ C
UC - Linux	yes
UC - UART	yes
UC - I2C	yes
UC - SPI interface	yes
Niebezpieczne	Equipment

5. Contact Information

For product-related questions, please contact an authorized service center or the manufacturer:

- **Importer:** Botland. B. Derkacz Sp. K.
- **Address:** Gola 25, 63-640 Bralin
- **Phone Number:** 62 593 10 54
- **Website address:** www.botland.store