Arduino VENTUNO Q - 16GB RAM + 64GB eMMC - ABX00181

Minicomputer User Manual

ARD-29311

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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-29311
EAN13	7630049205949
Weight:	0.501 kg
Dimensions	Width:15.5, Height:21.5, Depth:5.5 cm
UC - Microcontroller	STM32H5F5
UC - freq	250 MHz
UC - Flash	4 MB

UC - RAM	16 GB
UC - USB	5x USB
UC - Core	Cortex M33
UC - Ethernet	yes
UC - WiFi	yes
UC - Bluetooth	yes
UC - External memory	eMMC 64GB
UC - Connector	5V - DC 5.5/2.1mm
UC - Connector	USB typ C
UC - Connector	pins
UC - HDMI	yes
UC - Camera interface	yes
UC - CAN 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