

Bitcube 2.0

Product Overview

The intelligent **bit selector with 6 tool stations** combines rugged industrial quality with smart control. Designed specifically for manual assembly stations, test benches, and production lines, it enables error-free tool selection through visual operator guidance and integrated logic control.

Specifications

CPU

- Dual Core or Single-Core Tensilica Xtensa LX6
- Up to 240MHz
- 520kb internal SRAM

Interface-Front

- **6 individually configurable inserts** made of engineering plastic
→ Gentle on tools, dimensionally stable, interchangeable
- **Supports tool diameters up to Ø30 mm**
- **Sensors for tool removal detection in each slot**

Interface-Top

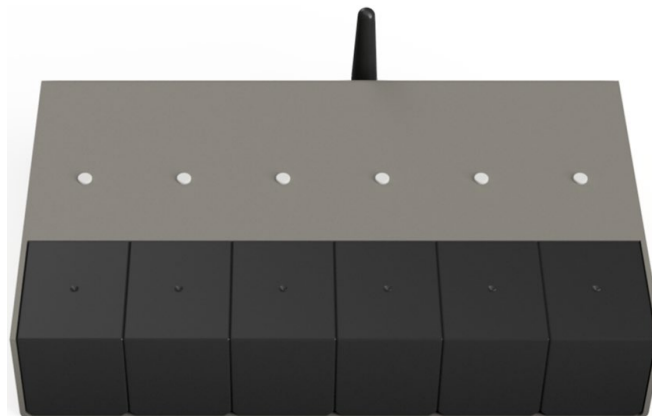
- **6 Visual LED Display (Pick-by-Light)**

Interface-Back

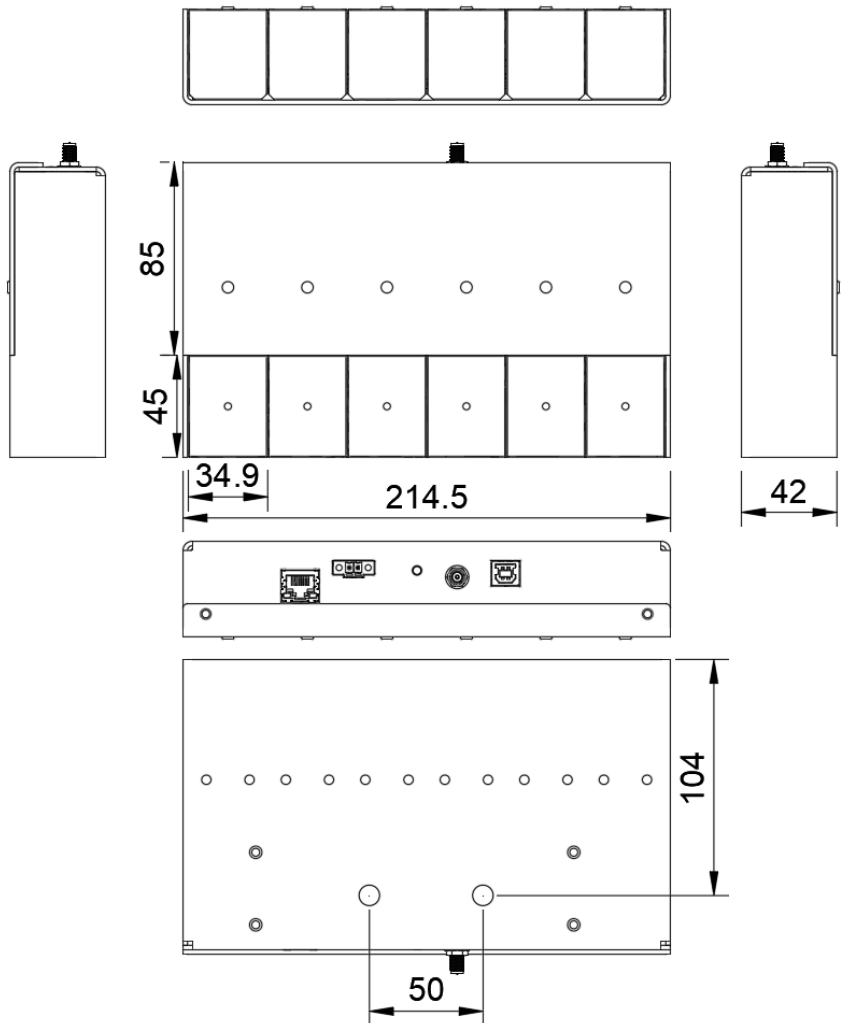
- 1x Connector Ethernet
- 1x Connector Power
- 1x Connector USB for Flash
- 1x Wifi Connector

Power Requirement

- Power input :12-24VDC



Dimension Drawing



Dimension

- 215mm (W) x 130mm (D) x 42mm (H) without Screw's an Connectors

Weight

- GW: 900g

Construction

- Aluminum

Environment

- Operating Temperature: 0°C to 50°C
- Storage temperatur: 0°C to 70°C
- Relative Humidity: 5% to 95%, non-condensing

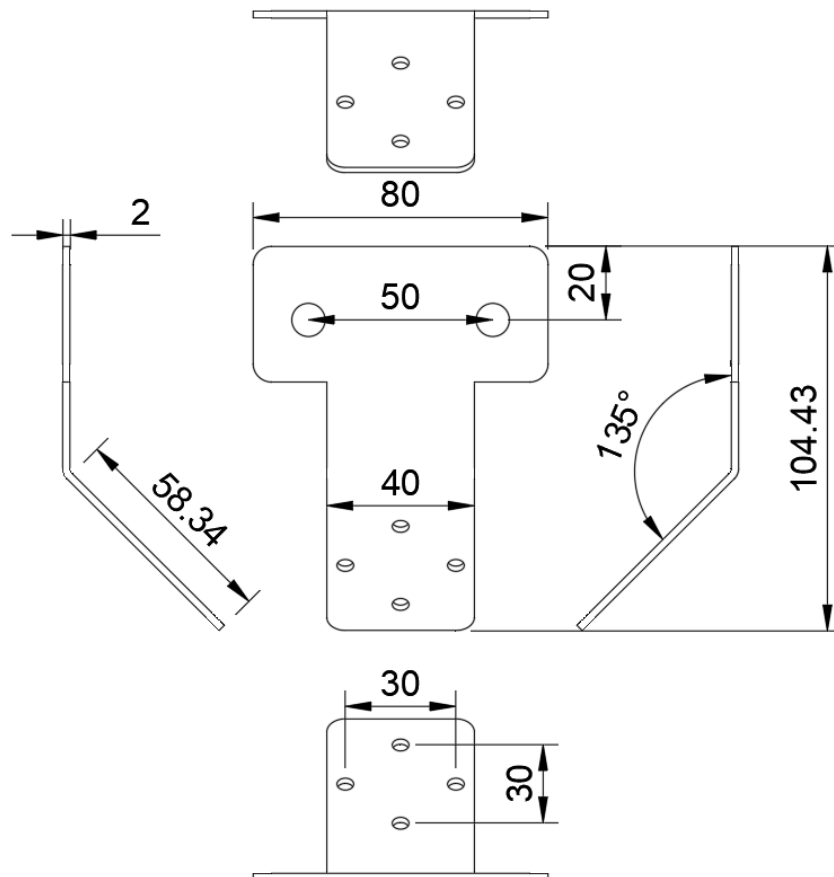
Certification

- System: CE

Table Mounting

Specifications

Dimension Drawing



Dimension

- 105mm (W) x 80m (D) x 2mm (H)

Weight

- GW: 0,2Kg

Construction

- Stainless steel V2A

Bitcube 2.0 Power Supply Specifications

Features

- Constant Voltage + Constant Current mode output
- Metal housing with class I design
- IP67/IP65 rating for indoor or outdoor installations
- Typical lifetime > 62000hours
- Hiccup mode, recovers automatically after fault condition is removed

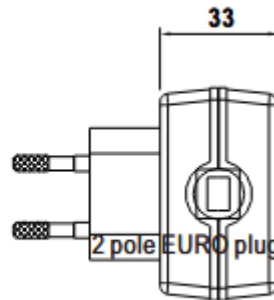
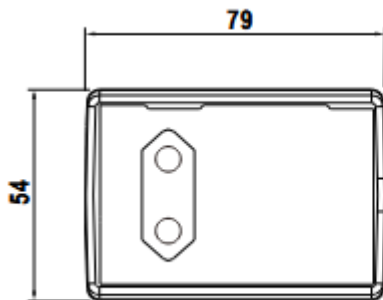
Output

- 12V
- Rated Current 3A
- Connector: MC 1,5/ 2-STF-3,81
- Pin 1 + and Pin 2 –
- Cable: UL2468 16AWG 950mm +/-50mm

Input

- Voltage Range: 85 to 264VAC
- Frequency Range: 47 to 63Hz
- AC Current 0,8A/115VAC, 0,45A/230VAC
- Efficiency (Typ.) 87,5%
- Connector (TYP): 2 Pole Euro

Dimension Drawing



Dimension

- 79mm (W) x 54mm (D) x 33mm (H) without Cable and Connectors

Weight

- GW: 209g

Environment

- Operating Temperature: -30°C to 70°C
- Storage temperature: -40°C to 85°C
- Relative Humidity: 10% to 95%, non-condensing

Certification

- System: CE
- EN62368-1, IEC62368-1, TPTC0004

Blanko Cube

Specifications

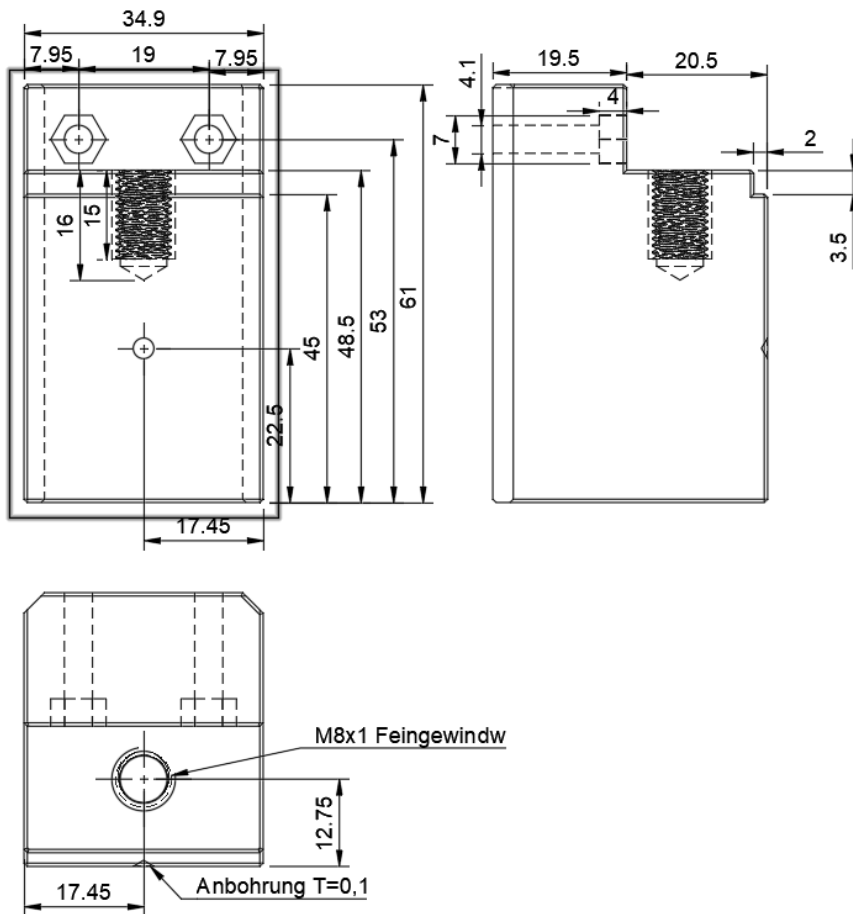
Material

- Kunststoff PA6

Weight

- GW: 85g

Dimension Drawing



Dimension

- 61mm (W) x 35mm (D) x 40mm (H)

Technical Information for Post-Processing

- Cube is equipped with an M8x1 fine-pitch thread for inductive sensors
- The included sensor is adjusted according to the position of the tool being monitored
- To do this, deepen the guide hole with $\varnothing 6.8$ mm and cut a fine-pitch thread

Spare Part List

Device	Description	Article Number
Bitcube 2.0	control board	5575
	LED strip	5526
	Power adapter	5564
	M8x1 sensor	Bitcube Sensor
	Blank Bitcube	M00020_Rev02
	Wi-Fi antenna	Bitcube Wifi antenna
	Case lid	M00029_Rev02
	Case base 2.0	M00028_Rev03