

Control Unit

SMAUT

SMART AUTONOMOUS
TECHNOLOGY

CONTROL UNIT
CCU01

SENSOR UNIT
CCUS02

CSK

The CCU01 main control unit combines a high-performance real-time microcontroller with an embedded Linux computer for path and position calculations.

It includes an LTE modem, power outputs for motor control, and industrial connectors for peripherals and antennas. The system supports OTA updates, remote diagnostics, sensor fusion, and emergency stop. It is compatible with the SMAUT web portal and ready for both electric and combustion-powered machines.

CAMERA SENS

RSK

RSK

**AUTONOMOUS
MOWER**

powered by

SMAUT

PRODUCT SHEET

Control Unit

CONTROL UNIT
CCU01



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SMAUT

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TECHNOLOGY

Description

COMPLETE MACHINE CONTROL - Real-time control + embedded Linux, watchdog-safe

LTE modem for OTA updates and remote diagnostics, Sensor fusion (GPS, IMU, wheels)

IP65 rugged housing for outdoor use, Industrial connectors for wide I/O integration

Compatible with electric and combustion-powered machinery

COMPATIBLE WITH SMAUT Modular system design

COMPATIBLE WITH SMAUT Workforce and fleet management

Technical parameters

SIZE	30 × 14.5 × 9.5 cm (incl. connectors)
WEIGHT	2 kg
POWER SUPPLY	12V/3A
COVER	IP65, external use
WORKING TEMPERATURE	-30 to +80°C
PHYSICAL INTERFACES	2× ILME industrial connectors (up to 2× 108 pins), 2× SMA
INTERFACES	2x CAN, 3x UART, ETH, GPIO, AD/DA, 4x PWM outputs up 50A

Application possibilities



Autonomous Mowing
Machines



Agricultural and Utility
Robots



Industrial Mobile Platforms



Construction and Terrain
Vehicles