

DATASHEET

Horus Nexxo 800 Controller

HSC-ZW885

Multi-protocol smart controller based on Home Assistant. It manages Z-Wave, Zigbee, Wi-Fi, and Bluetooth devices locally from one hub.

Rev. 1.0 | October 2026



Key features

- Z-Wave 800 Series controller with Z-Wave Long Range for large properties.
- Zigbee 3.0, Wi-Fi 6, and Bluetooth 5.2 radios in one device.
- Home Assistant runs locally on the controller. Access from a web browser on the same network.
- Local automations, scenes, schedules, and energy monitoring. No cloud dependency.
- Ethernet port for reliable connection in hotels and commercial sites.
- Voice control with Amazon Alexa through the Horus skill (lights, switches, thermostats, blinds). Locks are excluded for safety.
- Real-time clock and two-stage watchdog timer for unattended operation.
- FCC certified for all radios. FCC ID 2BVJJHSCZW885.

Applications

- **Hotels:** guest-room automation tied to occupancy and check-in status.
- **Short-term rentals:** remote control and scheduling between stays.
- **Schools:** classroom automation that cuts energy use in empty rooms.
- **Light commercial:** offices and retail spaces with scheduled operation.

Key specifications

Platform	Home Assistant on Debian Linux. Local control, no cloud dependency
Processor	Allwinner H618, quad-core Arm Cortex-A53
Memory	2 GB RAM, 8 GB eMMC flash
Z-Wave	Z-Wave 800 Series with Long Range (Silicon Labs EFR32ZG23). 908.4 / 908.42 / 916 MHz, Long Range 912 / 920 MHz (US)
Zigbee / Thread	Zigbee 3.0, 2405 to 2480 MHz (Silicon Labs EFR32MG21). Thread/Matter capable
Wi-Fi and Bluetooth	Wi-Fi 6 (2.4 GHz and 5 GHz) and Bluetooth 5.2
Wired interfaces	Ethernet 10/100 Mbps (RJ45), USB-A, USB Type-C (power)
Power supply	5 VDC, 2 A through USB Type-C. AC adapter included
Controls and indicators	Power switch, reset button, LED status indicator
Other	Real-time clock, two-stage watchdog timer, SIM card slot for the optional LTE version

Dimensions	120 x 120 x 33 mm (4.7 x 4.7 x 1.3 in)
Operating environment	14 to 122 °F (-10 to 50 °C), up to 90 % RH, non-condensing
Use	Indoor only

Compliance

FCC	FCC certified, September 2026. FCC ID: 2BVJJHSCZW885. Certification covers all radios: Z-Wave, Z-Wave Long Range, Zigbee, Wi-Fi, and Bluetooth
RF exposure	Install with at least 20 cm (8 in) between the antenna and all persons
Z-Wave certification	[TBC: confirm Z-Wave Alliance certification before using the Z-Wave Plus LR logo on the label]

Package contents

- 1 x Horus Nexxo 800 Controller
- 1 x AC power adapter
- 1 x USB to USB Type-C cable
- 1 x Ethernet network cable
- 1 x Quick start guide

Ordering information

SKU	Description
HSC-ZW885	Horus Nexxo 800 Controller, multi-protocol, Home Assistant, with AC adapter

Specifications can change without notice. For installation, configuration, and safety information, read the user manual.