

Tech datasheet

Digital I/O Extender

Reference:
ACCDPIOKIT



The Digital I/O Extender is an expansion module designed for SMSEagle NXS and MHD devices. It extends the system's digital input and output capabilities by providing 32 additional configurable digital I/O ports.

By eliminating the native I/O limitations of the SMSEagle unit, the extender enables scalable integration with external sensors, actuators, and automation systems. Each port can be individually configured as either a digital input or digital

output, allowing flexible adaptation to application requirements.

The module connects to the SMSEagle device via a USB interface, which also supplies power. An optional external power supply can be used for increased flexibility. All configuration, monitoring, and control is performed directly through the SMSEagle web-based GUI.

Key Features

- 32 configurable TTL-compatible (3.3 V) digital input/output ports
- Per-channel configurable as input or output
- USB interface with CDC (Communication Device Class) support
- Powered via USB or optional external power supply
- All I/O signals available on screw terminals
- Full configuration and monitoring via SMSEagle web GUI
- Designed for SMSEagle NXS / MHD series devices

Typical Applications

- Industrial automation and monitoring
- Alarm systems and security integration
- Sensor and actuator control
- IoT and remote management systems
- Expanding digital I/O capacity without hardware replacement

Specifications

Number of I/O ports	32
Configuration	Individually configurable as input or output
Logic level	TTL compatible
Signal voltage	3.3 V
Connection	Screw terminals
Host interface	USB
Product Dimensions	9.30 cm × 4.67 cm × 1.40 cm
Weight	68g
Operating Temperature	-30°C to +85°C

Useful external links

Product accessories: <https://www.smseagle.eu/products/accessories/>