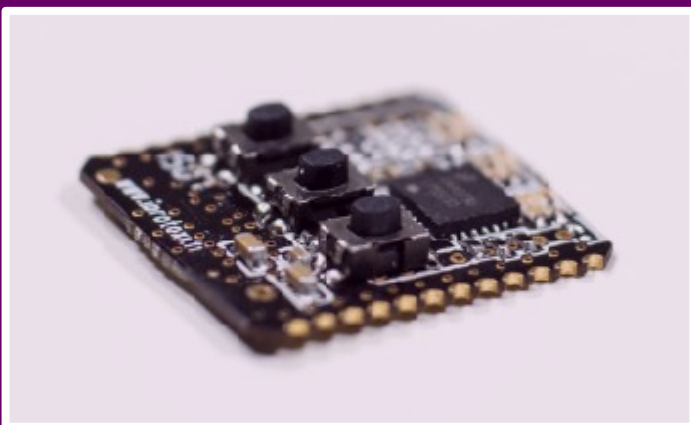


Aistin Owl Grip UI Control Add-on Board (LED212)

Sometimes simple monitoring just isn't enough. LED212 Add-on Board – the Aistin Owl Grip – acts as an user interface and control element for your Aistin device. LED212 includes three luminous RGB Leds, three programmable switches, and a Led driver with 9 programmable outputs, automatic power save and a large program memory. When attached to an Aistin Host Board (e.g. CPU2x2, BUB212, BUQ212 and BTL2x2) you can create wonderful light effects, use different colors for indicating measurement tresholds, and use switches to change desired operation.

But these are just few suggestions. When combined with different Host and Add-on Boards from the Aistin Family, even the sky is not the limit for your own innovative creations!

Technical Overview



Dimensions: 16 x 17.5 mm², PCB 0,6mm

Aistin Bus24 Add-on Connector*

Programmable 9-output Led Driver

3 x Programmable RGB Led

3 x Programmable Switch

LED212

Technical Details

LED212 is an Aistin Add-on Board which is equipped with three programmable switches, three programmable RGB leds, and a programmable 9-output led driver. Element specific properties are described in the table below.

	LED 212
Led Driver (LP55231SOE)	3 Independent Program Execution Engines
	9 Programmable Outputs With 25.5 mA Full-Scale current
	8-bit Current Setting Resolution, 12-bit PWM Control Resolution
	LED Drive Efficiency Up to 93%
	Automatic Power Save Mode
	SRAM Program Memory Which Stores Up to 96 Instructions
3 x Programmable RGB Led (KPTF-1616RGB-C-13)	Luminous Intensity / Colour: R 360mcd, G 750mcd, B 140mcd
	Viewing Angle: 120°
	Wavelength / Colour: R 625nm, G 525nm, B 470nm
3 x Programmable Switch (KMR441NG ULC LFS)	Operating Force N (grs): 4.0 (400) ± 1.00

LED212 has a stanby state which makes it low power device. Switches can be programmed to react differently when pressed separately or together. When a button is pressed it generates an interrupt. Button interrupts can be read from ADC signal.

Aistin Bus24
Signal Chart

