

The average consumption of the eWON Flexy and its extension cards

The following table reflects the measured average consumption of the eWON Flexy modules and the extension cards.

The measurements have been performed at 25°C with a power supply of 12 VDC.

- Important -

This information is supplied without liability. The consumption is not guaranteed and may vary following the configuration and the installation conditions.

Base Units

Reference	Description of test conditions	Average consumption at 25°C
Flexy x01	Eth. Switch version - 4 ports connected	(12V-220mA) – 2,64W
Flexy x02	Serial & Eth. Version – Eth. Connected and RS485 + pol. communicating.	(12V 155mA) – 1,86W
Flexy x03	MPI & Eth. Version – Eth. Connected and MPI communicating 12Mb/s.	(12V 130mA) – 1,56W
Flexy 205	4 ports connected (default behavior)	(12V 202mA) – 2,42W
	4 ports connected + downloading files from device memory	(12V 249mA) – 2,99W

Extension cards

Reference	Description of test conditions	Average consumption at 25°C
FLX3101	Ethernet extension – Eth. Connected.	(12V - 50mA) – 0,6W
FLB3202	GSM Network registered (HSPA)	(12V – 35mA) – 0,42W
3G (HSPA) GSM	Internet connection (HSPA)	(12V – 105mA) – 1,26W
	Data transfer - download (HSPA)	(12V – 135mA) – 1,62W
	Data transfer - upload (HSPA)	(12V – 235mA) – 2,82W

Reference	Description of test conditions	Average consumption at 25°C
FLB3203 FLB3204 FLB3205 4G (LTE) GSM	LTE and HSPA consumption are quite close. It may vary in function of signal quality and the antenna.	
FLA3301	2 Serial ports – communicating.	(12V – 5mA) – <0,1W
FLX3401	IO extension – AI and DI acquisition	(12V – 7mA) – <0,1W
	IO extension – AI and DI acquisition, 2 relays closed	(12V – 50mA) – 0,6W
FLA3501	PSTN modem – powered on (not connected)	(12V – 50mA) – 0,6W
FLB3271	Wi-Fi module – idle	(12V – 15mA) – 0,18 W
	Wi-Fi module – transmitting/receiving data	(12V – 95mA) – 1,14 W
FLC3701	MPI - communicating	(12V – 19mA) – 0,22 W

Revision

Revision History

Revision Level	Date	Description
1.0	08/04/2014	Creation of document
1.1	24/01/2018	ADDED: Flexy 205 ADDED: Extension cards

Document build number: 13

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