



## Contrôleurs moteur

Tous les produits de FiveCo permettent un net gain de temps, notamment lors de leur configuration. Chacun a des spécifications uniques comme par exemple :

- Facilité d'installation.
- Une interface Ethernet avec ses serveurs TCP et HTTP (permettant à l'utilisateur de configurer les différentes options du périphérique à l'aide d'un simple navigateur web).
- Une régulation embarquée.
- De petites dimensions.



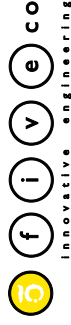
# Motor Controllers

## Product Line

Model	FMod-HPECMOT T2 48/10	FMod-HPECMOT 48/10	FMod-I2C485ECMOT DB 48/10	FMod-I2CDCMOT DB 48/1.5	FMod-I2CDCMOT SLP 48/1
<b>Dimension (LxBxH) [mm]</b>	120x110x34 (DIN rail)	120x110x34 (DIN rail)	80x56x25	48x34x23	26x28.5x6
<b>Motor type</b>	DC brushed DC brushless	DC brushed DC brushless	DC brushed DC brushless	DC brushed	DC brushed
<b>Communication bus</b>	Ethernet TCP/IP	Ethernet TCP/IP	I2C RS485	I2C	I2C
<b>Power supply (input)</b>	DC [9-48V], max 15A	DC [15-48V], max 15A	DC [15-48V], max 15A	DC [10-48V], max 2A	DC [10-48V], max 2A
<b>Logic supply (input)</b>	Internally generated	Internally generated	Internally generated	DC [5V], max 50mA	DC [5V], max 50mA
<b>Encoder</b>	5 V 2 channels quadrature incremental with differential output + index Compliant with non-differential encoder	5 V 2 channels quadrature incremental with differential output + index Compliant with non-differential encoder	5 V 2 channels quadrature incremental with differential output + index Compliant with non-differential encoder	5 V 2 channels quadrature incremental	5 V 2 channels quadrature incremental
<b>Limits / Inputs</b>	2 limits + 2 IOs	2 limits	2 limits	2 limits	2 limits + 2 IOs
<b>Phases output</b>	PWM 125kHz or 63kHz 4 quadrants management Thermal protection 10 A continuous 15 A max	PWM 69kHz or 35kHz 4 quadrants management Thermal protection 10 A continuous 15 A max	PWM 69kHz or 35kHz 4 quadrants management Thermal protection 10 A continuous 15 A max	PWM 69kHz or 35kHz 4 quadrants management Thermal protection 1.5 A continuous 2.0 A max	PWM 69kHz or 35kHz 4 quadrants management Thermal protection 1 A continuous 2.0 A max
<b>Motion control</b>	32 bit PID Auto-tuning • Brake mode • Free mode • Open loop mode • Speed control mode • Position control mode	32 bit PID Auto-tuning • Brake mode • Free mode • Open loop mode • Speed control mode • Position control mode	32 bit PID Auto-tuning • Brake mode • Free mode • Open loop mode • Speed control mode • Position control mode	32 bit PID Auto-tuning • Brake mode • Free mode • Open loop mode • Speed control mode • Position control mode	32 bit PID Auto-tuning • Brake mode • Free mode • Open loop mode • Speed control mode • Position control mode
<b>Standby mode</b>	-	-	-	-	Max 1 uA @ 5V logic <b>(50nA at 25°C)</b> Max 1 uA @ motor supply <b>(50nA at 25°C)</b>
<b>Extra features</b>	EC motor's Hall sensor can be used as encoders <b>Dual encoder management</b> <b>Active dissipation</b> <b>Phases short-circuited @ power-down</b>	EC motor's Hall sensor can be used as encoders	EC motor's Hall sensor can be used as encoders	-	Low power mode

21062017/1.3 Specifications may change without prior notice.



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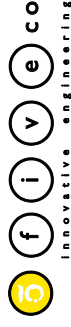
Product Line

Model	FModH2CSTEPMOT SLP 35/1	FModH2CSTEPMOT SLP 35/0.1
		
<b>Dimension (LxBxH) [mm]</b>	39.8x22x6	39.8x22x6
<b>Motor type</b>	2 phases stepper bipolar	2 phases stepper bipolar
<b>Communication bus</b>	I2C	I2C
<b>Power supply (input)</b>	DC [9-35V], max 2A	DC [9-35V], max 200mA
<b>Logic supply (input)</b>	DC [5V], max 50mA	DC [5V], max 50mA
<b>Encoder</b>	-	-
<b>Limits / Inputs</b>	2 limits	2 limits
<b>Phases output</b>	PWM 50kHz Max 8'192 full steps/s Resolution: ¼ step Thermal protection 1 A continuous 1.5 A max	PWM 50kHz Max 8'192 full steps/s Resolution: ¼ step Thermal protection 150mA max and continuous
<b>Motion control</b>	<ul style="list-style-type: none"> <li>. Open mode</li> <li>. Speed control mode</li> <li>. Position control mode</li> </ul>	<ul style="list-style-type: none"> <li>. Open mode</li> <li>. Speed control mode</li> <li>. Position control mode</li> </ul>
<b>Standby mode</b>	Max 1 uA @ 5V logic <b>(50nA at 25°C)</b> Max 1 uA @ motor supply <b>(50nA at 25°C)</b>	Max 1 uA @ 5V logic <b>(50nA at 25°C)</b> Max 1 uA @ motor supply <b>(50nA at 25°C)</b>
<b>Extra features</b>	Low power mode	Low power mode

*Developed and made in Switzerland*

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