PRODUCT NEWS

Product Discontinuation Notice

Power Clipper

OMRON

Issue Date
May, 2023

RF-046

Power Clipper Controllers 4-4050J/M Series Discontinuation Notice

We will soon be releasing our next generation product: Power Clipper 1020, which leverages our latest ARM based CPU. Therefore, the Power Clipper 465 model is being discontinued. For most customers the transition process should be straightforward with the added benefit of more performance from our newer CPUs. Note that the EtherCat protocol stack has changed but otherwise all software programing is compatible. For customers with additional packaging and systems needs we are recommending a transition to our newest line of modular controllers: CK3M. Please contact your local sales representative for more information about these products or any of Omron's industry leading line of programmable multi-axis controllers.

Product Discontinuation	Recommended Replacement
Power Clipper	Power Clipper 1020 (Under Development)
Model 4-4050J□□-□□□-□□□□□□ **Model 4-4050M□□-□□□-□□□□□□**	**Model CK3C-□□□□□** Available now **Model CK3M Series** **Model Power Brick LV**

[Final order entry date]

March 31, 2022

[Date of The Last Shipping]

September 30, 2022

[Scheduled date of maintenance close]

September 30, 2029

[Difference from discontinued product]

Recommended replacement	Body Color	Dimen-sions	Wire connection	Mounting Dimensions	Form Factor	Operation ratings	Operation methods
To 4-4150A□□-□□□-□□□□□□	**	**	*	**	**	**	*
CK3M Series	**	--	--	--	--	*	*
Power Brick LV	**	--	--	--	--	*	*

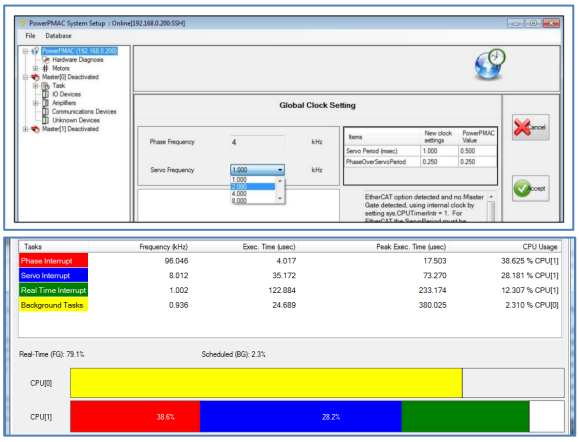
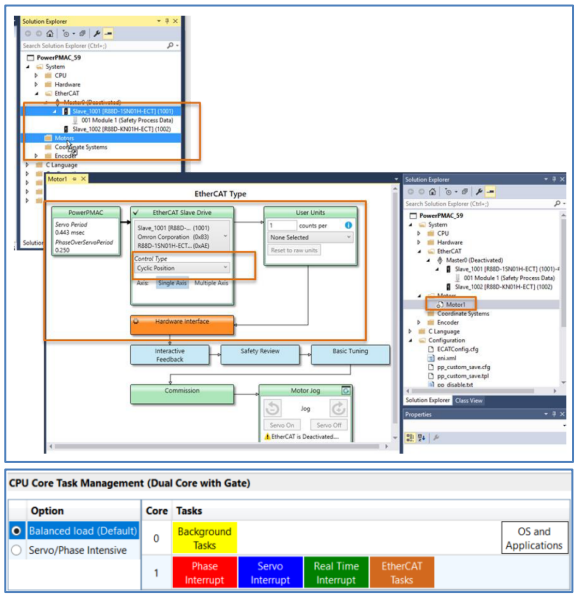
** : Compatible
* : The change is a little/Almost compatible
-- : Not compatible
- : No corresponding specification

The following illustrations show the "from to" items for replacement product.

[Wire Connection]

From 4-4050□□□-□□□-□□□□□□	To Model CK3C-□□□□□
RS-232 Serial Port (10 pin connection)	**Micro-USB USB to Serial Port (FTDI Windows Driver)**
Power Clipper 1020 is limited to 2 Ethernet ports.	

[Operation Methods]

From 4-4050□□□-□□□-□□□□□□	To 4-4150A□□-□□□-□□□□□□
	

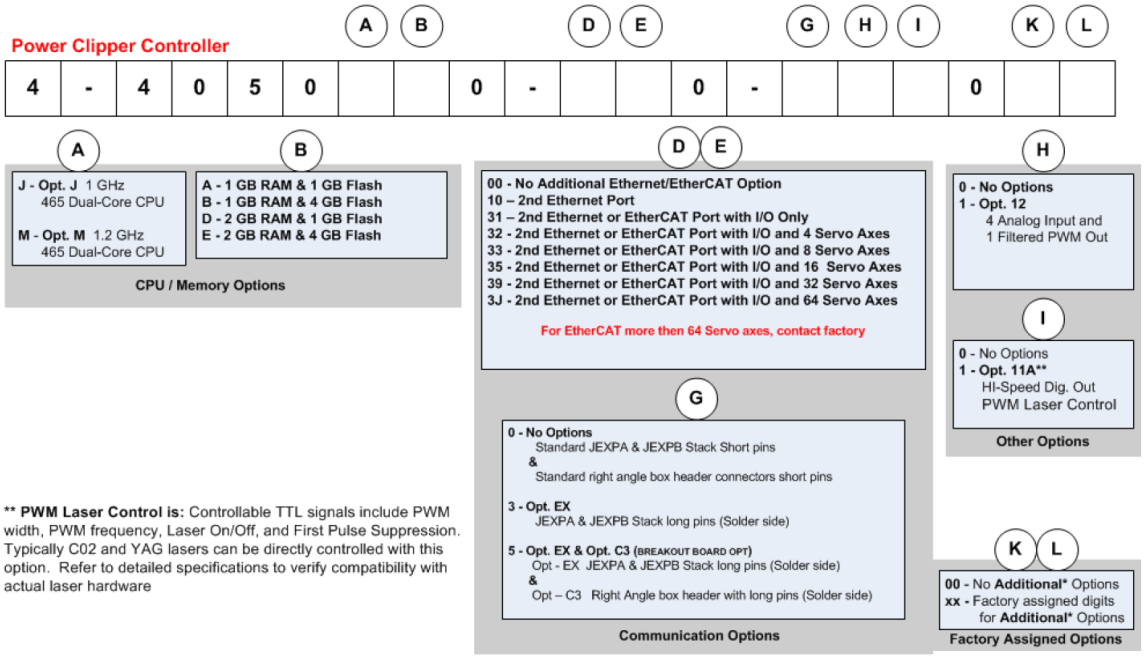
Default EtherCAT Type Changed to Acontis on Power Clipper 1020 allowing full IDE 4 functionality.

(Can be reverted to EtherLab for backwards compatibility.)

Power Clipper 1020 allows multi-core task control.

[Product Discontinuation and Recommended Replacement]

4-4050J□□-□□□-□□□□□□ & 4-4050M□□-□□□-□□□□□□ Part Number



** **PWM Laser Control is:** Controllable TTL signals include PWM width, PWM frequency, Laser On/Off, and First Pulse Suppression. Typically C02 and YAG lasers can be directly controlled with this option. Refer to detailed specifications to verify compatibility with actual laser hardware

CK3C-□□□□□ Part Number

- CK3C-AX□ □□□ □

CPU type:
3:A7 Dual-core

Memory Size:
0: Axis Expansion (out of AJ685 scope)
1: 1GB RAM & 1GB Flash

Embedded Option:
[blank]: Standard Pins
E: Extended Embedded Pins

Additional Options:
100: 1x 1000 Base-T Ethernet Port
201: 2x 1000 Base-T Ethernet Ports, 4x 16-bit Analog Inputs, 1x Additional Analog Output
211: 1x 1000 Base-T Ethernet Port, 4x 16-bit Analog Inputs, 1x Additional Analog Output, EtherCAT Master with I/O Expansion License
231: 1x 1000 Base-T Ethernet Port, 4x 16-bit Analog Inputs, 1x Additional Analog Output, EtherCAT Master with I/O and 8 Servo Axis Expansion License

NOTES:
- Power Clipper 1020s replacing part numbers with 1 GB Flash will receive 1 GB RAM and 1 GB Flash. UMAC 1020 CPUs replacing part numbers with 4 GB Flash will receive 2 GB RAM and 4 GB Flash.
-Units with more than 16 axes of EtherCAT now will only have 16 Axes of EtherCAT. If more is needed, consult with ODT Factory.
-As Custom P/Ns require customer approval, no equivalent part number can be recommended at this time.

Product Discontinuation	Suggested Replacement
4-4050JD0-000-000000	CK3C-AX1100
4-4050JD0-000-010000	CK3C-AX1201
4-4050JD0-000-011000	Contact Customer Support
4-4050JD0-000-300000	CK3C-AX1100E
4-4050JD0-000-310000	CK3C-AX1201E
4-4050JD0-000-500000	CK3C-AX1100E
4-4050JD0-000-510000	CK3C-AX1201E
4-4050JD0-100-010000	CK3C-AX1201
4-4050JD0-100-500000	CK3C-AX1201E
4-4050JD0-310-000000	CK3C-AX1211
4-4050JD0-310-010000	CK3C-AX1211
4-4050JD0-310-500000	CK3C-AX1211E
4-4050JD0-310-511000	Contact Customer Support
4-4050JD0-320-000000	CK3C-AX1231
4-4050JD0-320-001000	Contact Customer Support
4-4050JD0-320-010000	CK3C-AX1231
4-4050JD0-320-500000	CK3C-AX1231E
4-4050JD0-320-511000	Contact Customer Support
4-4050JD0-330-000000	CK3C-AX1231
4-4050JD0-330-010000	CK3C-AX1231
4-4050JD0-330-510000	CK3C-AX1231E
4-4050JD0-350-000000	CK3C-AX1231
4-4050JD0-350-010000	CK3C-AX1231
4-4050JD0-390-000000	CK3C-AX1231
4-4050JE0-000-011000	Contact Customer Support
4-4050JE0-000-500000	4-4050AB100-500000
4-4050JE0-000-510000	4-4050AB201-500000
4-4050JE0-320-500000	4-4050AB231-500000
4-4050JE0-330-510000	4-4050AB231-500000
4-4050JE0-390-510000	4-4050AB231-500000

Product Discontinuation	Suggested Replacement
4-4050MD0-000-000000	CK3C-AX1100
4-4050MD0-330-311000	Contact Customer Support
4-4050MD0-330-510000	CK3C-AX1231E
4-4050MD0-350-010000	CK3C-AX1231
4-4050MD0-3J0-011000	Contact Customer Support
4-4050ME0-000-000000	4-4050AB100-000000
4-4050ME0-320-010000	4-4050AB231-000000
4-4050ME0-320-510000	4-4050AB231-500000
4-4050ME0-350-010000	4-4050AB231-000000
4-4050ME0-390-510000	4-4050AB231-500000
4-4050ME0-3J0-510000	4-4050AB231-500000
4-4050ME0-3J0-511000	Contact Customer Support
9-4050JD0-000-5100E0	Contact Customer Support
9-4050JD0-000-A00000	Contact Customer Support

Rev	Description	Date	Prepared By	Approved By
A	Released	4/5/2021	EH	RN

Specifications and prices in this product news are as of the issue date and are subject to change without notice. Only main changes in specifications are described in this document. Please be sure to read the relevant catalogs, product specifications, instructions, and manuals for precautions and necessary information when using products