DATASHEET

CoreSync Driver Programmer Kit ›

The CoreSync Driver Programmer Kit allows the user to program the output current and type of our LED Drivers. All CoreSync Drivers can be programmed down by 10mA increments for granular output current.

Operator will use a mouse to navigate a user interface connected via HDMI to a monitor in order to configure the LED Driver parameters. 5V supplies enough power to programmer microcontroller while preventing hot plug damage while switching between drivers.

FEATURES AND ADVANTAGES

CoreSync enabled	Easy integration with Molex CoreSync devices
CoreSync Input Connector	Quick and easy connection to all CoreSync Devices
Hot Plug Prevention	5V output prevents damage from hot plugging
HDMI Peripheral	User interface displayed on connected monitor via HDMI
USB Peripherals	UI navigation done by mouse and keyboard

SPECIFICATIONS

Electrical

Input Voltage: 100-250VAC 50-60Hz
Max Input Current: 10A
Output Voltage: 5V
Output Current: 0.5A

Commercial Standards

FCC
CE Pending
UKCA Pending

Product Safety

Output over-current protection
Output over-voltage protection
Internal Over-Temperature Protection
DO NOT hot swap

Mechanical

Housing Material: ABS plastic
Color: Gray
Weight: 1.36kg (3.0lbs.)

Environmental

Ambient Temp Range: 0 to 55°C (32 to 131°F)
Storage Temperature: -40 to 60°C (-40°F to 140°F)
Max Case Temperature: 60°C
Relative Humidity: 10-80% Non-Condensing
Environmental Rating: Indoor

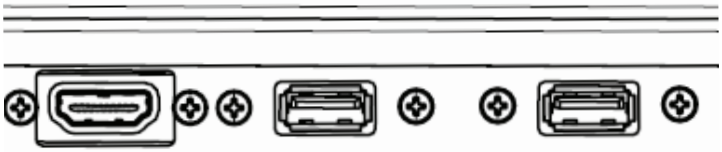
www.molexces.com/products/coresync

Molex is a registered trademark of Molex, LLC in the United States of America and may be registered in other countries; all other trademarks listed herein belong to their respective owners
Order No. 1807881000 SJ/2023.07
©2023 Molex

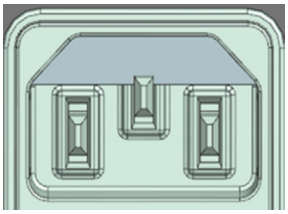
CoreSync Driver Programmer Kit ›

CONNECTION INTERFACES

Connection	Connection Specification
AC Power Input	C-14 Power Entry for C-13 Power Cable
CoreSync Output	4-pin Micro-fit 3.0 Connector for CoreSync Harness
HDMI	HDMI connection to monitor in order to display UI
USB	2 USB ports for Mouse and Keyboard

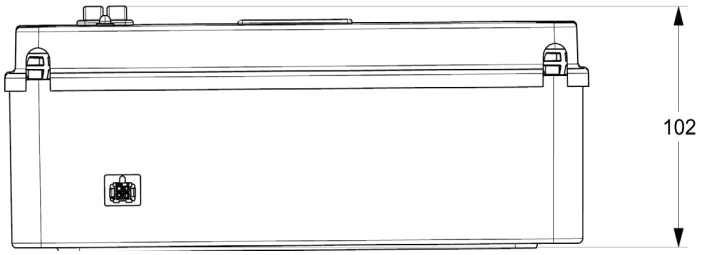


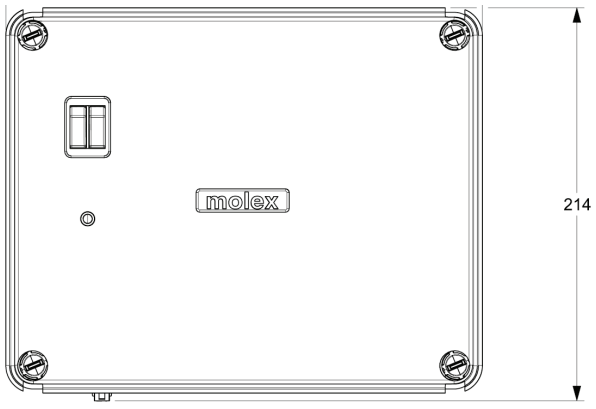
HDMI **USB X 2**



C-14 Power Entry

Dimensions





www.molexces.com/products/coresync

Molex is a registered trademark of Molex, LLC in the United States of America and may be registered in other countries; all other trademarks listed herein belong to their respective owners
Order No. 1807881000 SJ/2023.07
©2023 Molex

molex

CoreSync Driver Programmer Kit ›

ORDERING INFORMATION

Order No.	Description
1807881000	CoreSync Driver Programmer Kit
CSH-PA0B	CoreSync 4R-4R Harness
CSH-PB0B	CoreSync 4R-4P Harness

COMPATIBLE PRODUCTS

Part No.	Description	Output Current (mA)
180996-5107	CoreSync Compact Driver, Single	250-300mA
180996-5101		300-350mA
180996-5102		360-500mA
180996-5103		510-700mA
180996-5106		710-880mA
180996-5104		890-1050mA
180996-5108		1060-1200mA
180996-5109		1210-1400mA
180996-6101	CoreSync Compact Driver, Dual	300-350mA
180996-6102		360-500mA
180996-6103		510-700mA
180996-6106		710-880mA
180996-6104		890-1050mA
180996-6108		1060-1200mA
180996-6109		1210-1400mA

Part No.	Description	Output Current (mA)
182135-1201	CoreSync Emergency Lighting Bypass, Single	300-350mA
182135-1202		360-500mA
182135-1203		510-700mA
182135-1206		710-880mA
182135-1204		890-1050mA
182135-1211	CoreSync Emergency Lighting Bypass, Dual	300-350mA
182135-1212		360-500mA
182135-1213		510-700mA
182135-1216		710-880mA
182135-1214		890-1050mA

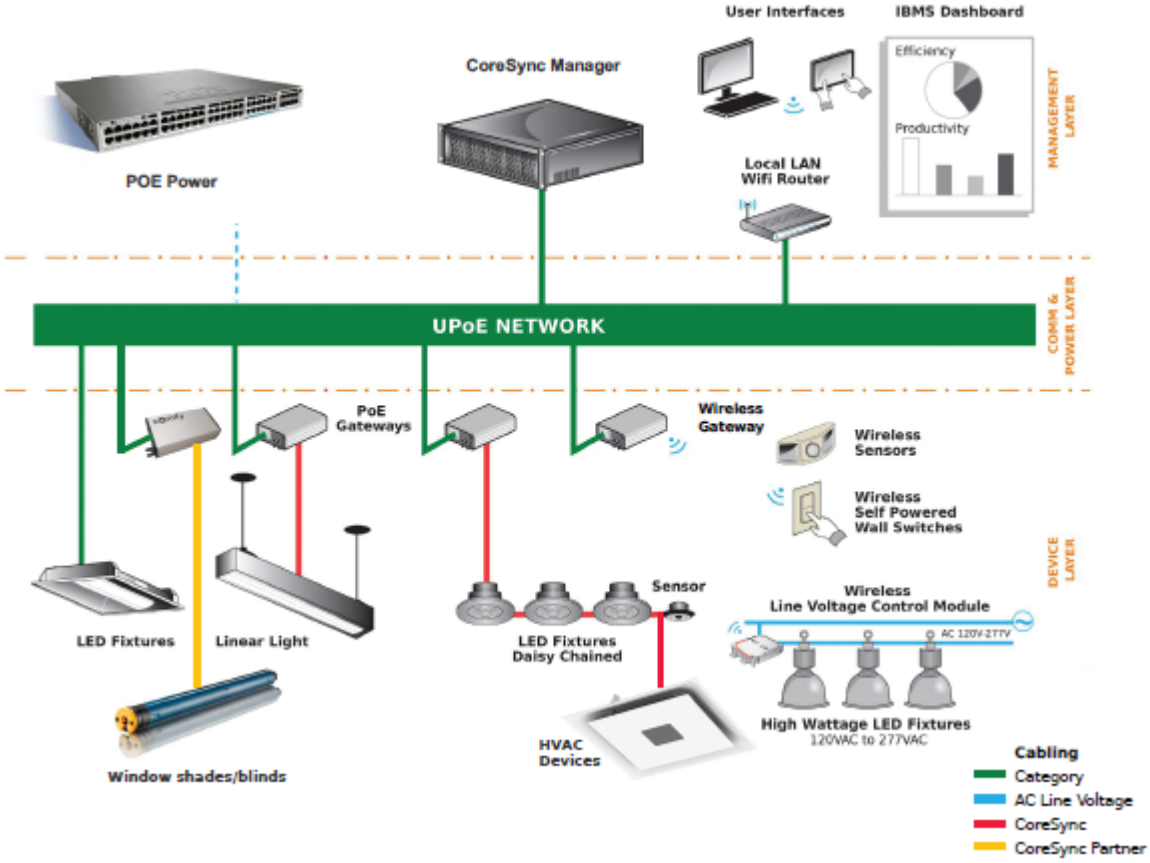
www.molexces.com/products/coresync

Molex is a registered trademark of Molex, LLC in the United States of America and may be registered in other countries; all other trademarks listed herein belong to their respective owners

©2023 Molex

CoreSync Driver Programmer Kit ›

PoE Gateway on the CoreSync Architecture



DAISY-CHAINING

Each device is powered and physically connected by the Molex CoreSync PoE Gateway with a rugged and reliable Molex CoreSync harness cable using a Molex Micro-Fit† 4-pin connection. If the power requirement for a group of devices is below 50W for UPOE and below 71.3W for 802.3bt 90W standard, a single Molex CoreSync PoE Gateway can power and control multiple devices in a Daisy-Chain configuration, with the easy-to-use input and output connector scheme.

* Minimum Guaranteed Power for Gateway 1.0 is 51W and Gateway 2.0 is 71.3W. The total power budget on the gateway must comply with the requirement

www.molexces.com/products/coresync

Molex is a registered trademark of Molex, LLC in the United States of America and may be registered in other countries; all other trademarks listed herein belong to their respective owners
Order No. 1807881000 SJ/2023.07
©2023 Molex