

# MC-EDGE: A refreshed look & New I/O Expansion

Same Reliability. New Modernized look. More Expansion Possibilities.

## What's New?

### 1. Refreshed look for MC-EDGE

- Modernized CPU design - refined, sleek, and built for future expansion.
- Updated labeling & finishing.

### 2. New SPE I/O Expansions

We are expanding the MC-EDGE offering with new I/O modules built on SPE (Single Pair Ethernet) technology - one of the latest and most advanced standards in industrial networking:

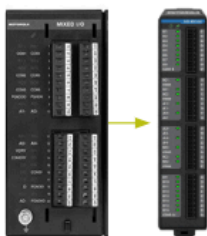
- **32/16 DI/DO FET**
- **MIXED I/O 16 DI, 4 DO, 4 AI**

These new modules complement our existing I/O options (now referred to as CAN bus I/O modules) to support a broader range of applications and future system designs.



## What makes them different?

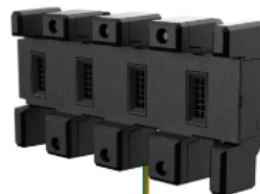
**50% smaller footprint –**  
more power, less space



**Backplane-mounted installation –**  
supports up to 16 I/O modules  
across four backplanes



**Single Pair Ethernet (SPE) integration –**  
improving data integrity,  
bandwidth, security, and  
simplifying wiring



**An improvement in I/O performance**  
Reduced the detection latency for  
input changes, and faster output  
control



Size of BP: 6.2" x 1.2" x 3.1", Size of new SPE I/O module: 4.4" x 1.4" x 6.5"

## When?

The target date for starting ordering new SPE I/O modules is August 18th 2025.

## What's Next?

**We're just getting started:**

- ✓ Additional I/O module types
- ✓ Hot-swap capability – replace modules without system downtime.
- ✓ Additional analog modem

## Important Technical & Compatibility Notes:

### For SDM3000 replacement configurations (VA01945AA & VA01946AA):

#### MC-EDGE as NFM or AUX I/O (MCC7500 / Avtec):

- The new SPE I/O modules and the refreshed MC-EDGE are not supported with NFM or AUX I/O (MCC7500 / Avtec) units at this stage. For these solutions, the current CPU will be preserved with no changes.
- The ordering process remains unchanged.

### All Other MC-EDGE Configurations:

#### Mixing CAN-bus & new SPE I/O Modules

- The refreshed look MC-EDGE will support both CAN bus and SPE I/O modules.
- The new SPE I/O modules are currently compatible exclusively with the new refreshed look MC-EDGE.
- The refreshed MC-EDGE design will apply to all new orders placed from August 18th onward.

#### New Documentation Available

- The initial **documentation** can be found [here](#) (can be changed by the launch date).
- Make sure to use the latest materials next to the launch date.
- The updated photos of CPU and I/O modules can be found [here](#).

#### Orderability

- The ordering system will not be available from August 14th -17th in order to enable this change.
- Partner Hub users: If any configured item within your cart incorporates a cancelled/Invalid item, an error will be displayed, and reconfiguration of MC-EDGE line will be necessary to complete checkout (based on updated ordering guide).

#### Software Version Compatibility

The refreshed MC-EDGE and new SPE I/O modules require SW version R.41 or later.

**Please note:** Downgrading to previous software versions is not possible.