Streamlined Architecture Reduces Machinery Costs White Paper

Parker

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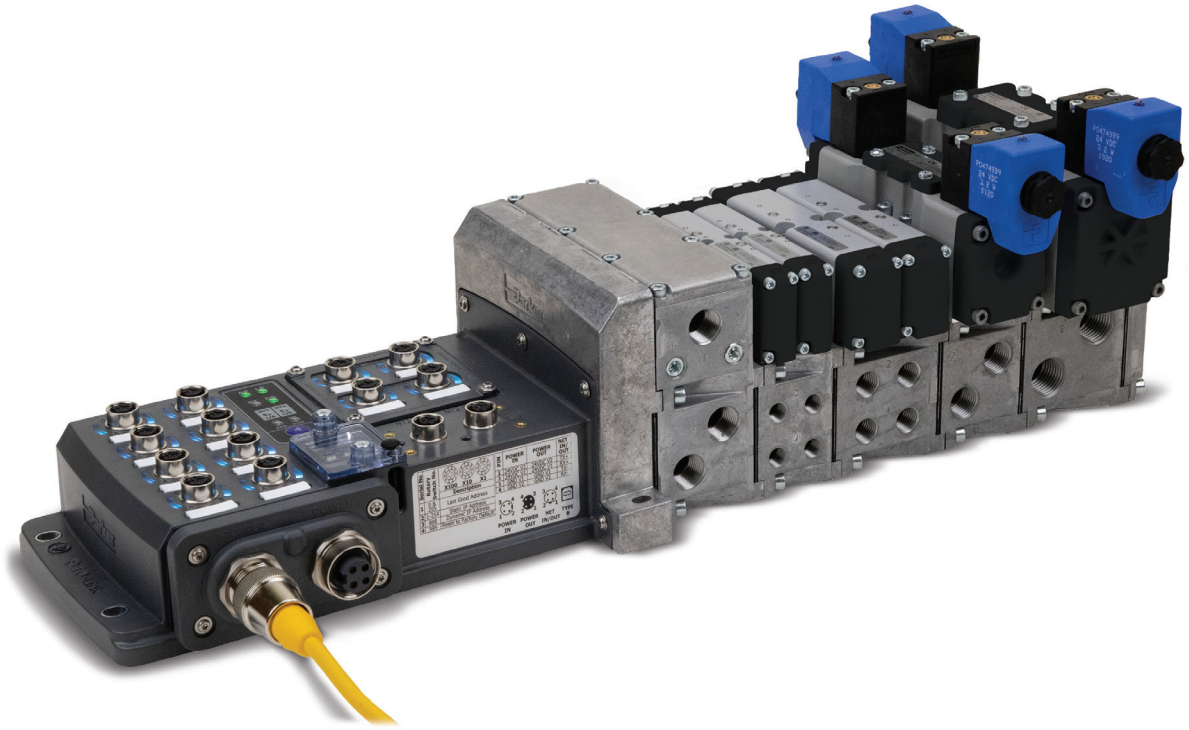
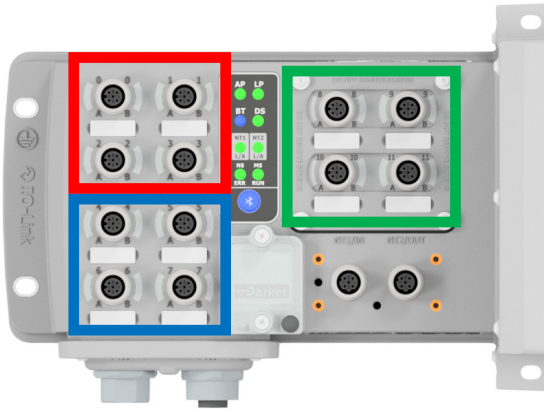
Streamlined Architecture Reduces Machinery Costs (PCH Network Portal)

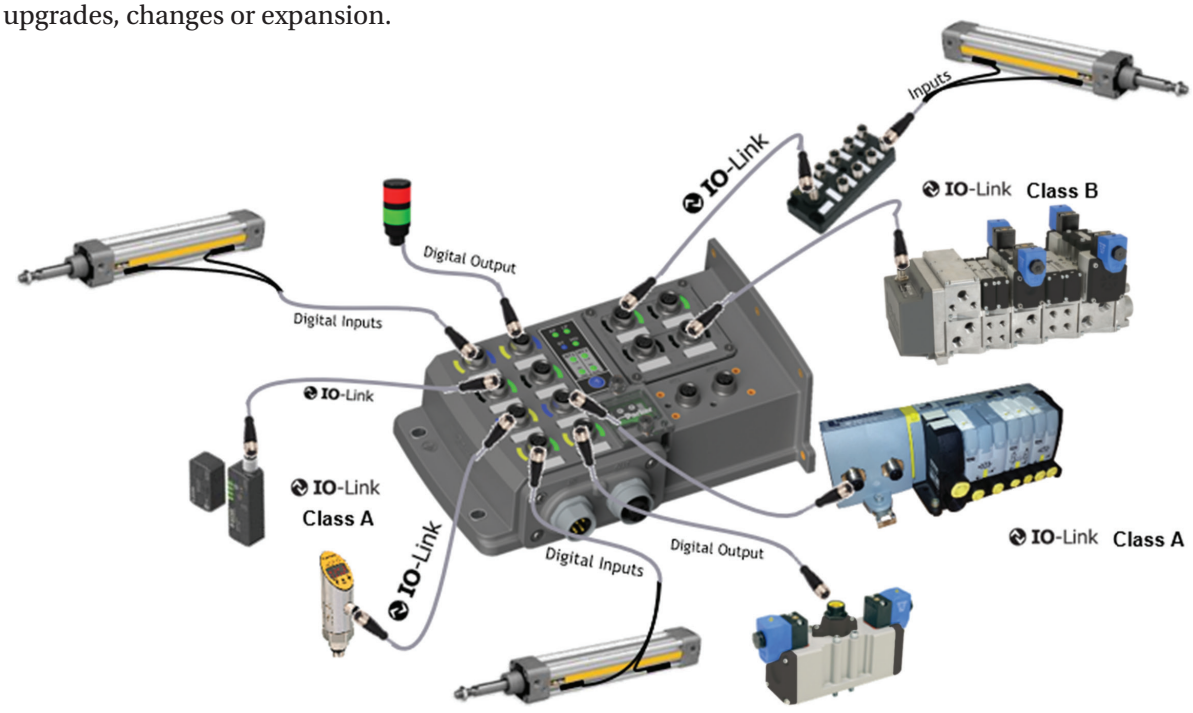


Configurable I/O means last minute design changes are now simple. Each PCH Network Portal is offered with three selectable modules that make up twelve configurable ports. All modules can be configured IO-Link A, IO-Link B or dual configurable I/O ports with true PNP/NPN circuitry switching on each port providing easy point and click changes on individual pins to customize a setup. Last minute design changes to the machine require minimal effort and no additional software or hardware. The ability to customize the machine design is no longer limited by the product.



Module Variant	Description	Each port can have any of the following behavior:
A	**Class A IO-Link or Dual I/O**	1 IO-Link Class A Master (pin 2 can be configured as input or output) 2 Inputs 24V DC (PNP or NPN) 2 Outputs 250 mA, @ 24V DC
B	**Class B IO-Link or Single I/O**	1 IO-Link Class B Master 1 Input 24V DC (PNP or NPN) 1 Output (Logic Power), 250 mA, @ 24V DC
C	**Class B IO-Link or Dual I/O**	2 M12 Ports with digital output (each port will have 2 outputs (aux power) 500 mA, @ 24V DC 2 M12 Ports, each port will be configured as one of the following: 1 IO-Link Class B Master OR 1 Input, 24VDC (PNP/NPN) OR 1 Output (Logic Power), 250mA @ 24V DC

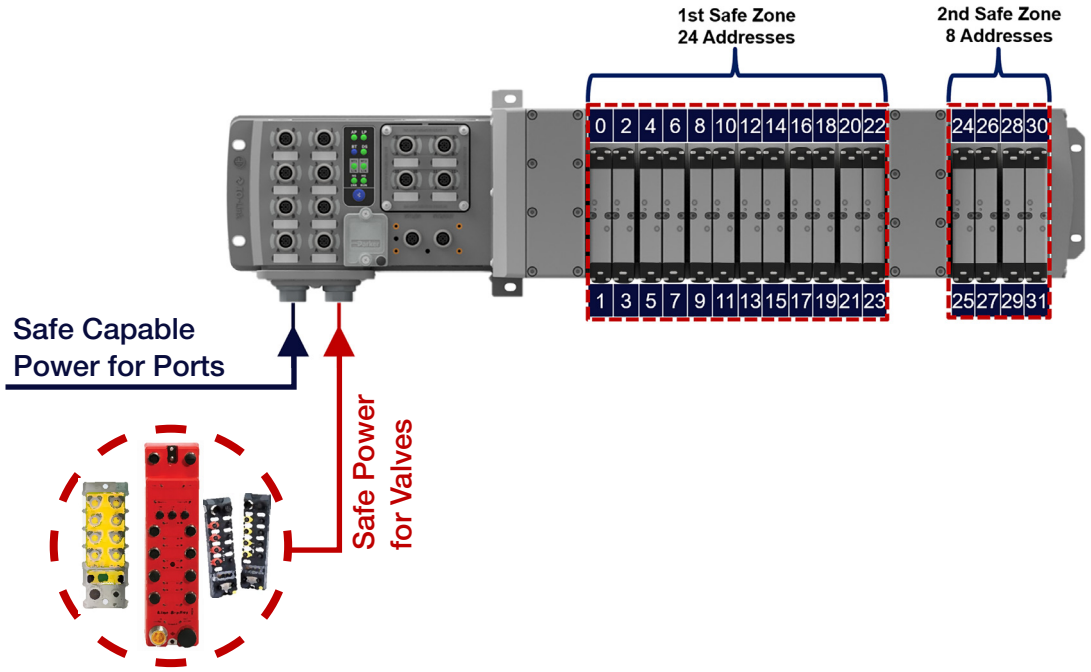
Once modules are selected, users can begin to harness the configurability unique to the PCH Network Portal. An array of devices can be connected and changed to optimize those last-minute changes on a machine. The modularity provides complete versatility at the time of design and room for future upgrades, changes or expansion.



Power by Design

Much consideration was put into the power design of the PCH Network Portal. The PCH Network Portal offers the versatility to bring power (safe or non-safe power) In/Out or Power In/In through either 7/8" power or AIDA style connectors.

This can also be used to have two different isolated zones both suitable for standard or safe power capability (with OSSD test pulsing for use with a safety rated devices). Afterall, who wouldn't appreciate easy access to additional power or safe power on the plant floor?



For more information on the PCH Network Portal visit our website www.parker.com/pdn/PCHPortal for additional whitepapers

PDNWP-010 The Benefits of Integrating Cyber Physical Systems

PDNWP-015 Optimize Integration with Flexible Design

PDNWP-016 Decrease Downtime by Streamlining Diagnostics

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