



Rugged industrial PCs are yet another device that adds into the functioning of modern day smart factories. They have an array of processing, memory, storage, and peripheral components, which work together in making smooth functioning of other related devices. Amphenol provides a comprehensive range of I/O, PCB, storage, server, and power solutions alongside custom solutions for various applications from basic single computing boards to advanced [Industrial Embedded Servers](#).



With more advancement in automation techniques, robots are gaining momentum in meeting the next levels of intelligence. While [robotic arms](#) are considered as the fundamental equipment in factory automation, today there are independent robots or “cobots” capable of cohabiting or completely replacing human involvement with next generation AI vision. Amphenol’s I/O connector with PoE (Power over Ethernet), PoDL (Power over Data Line), and Gigabit Ethernet can provide reliable support to such advanced robotic applications.



Whether it be PLCs, Industrial Computers or Robots, the automations can be easily monitored by factory personnel through advanced Human Machine Interface (HMI) displays. These touch-screen displays are empaneled into the equipment cabinets through which the processes can be controlled with the press of a finger. Amphenol’s offering extend to these devices through [miniature-pitch FFC/FPC](#) and [board-to-board connectors](#) that connect the displays to the logic boards.

Check out [Amphenol’s advanced connectors](#) that support high end equipment that make factory automation a reality.