



## INDUSTRIAL ETHERNET

### Single Pair Ethernet



A major driver in the evolution of digital communication in the industrial factory automation sector is space. As more and more data must be handled, design engineers are under pressure to develop sophisticated equipment and cabling, while reducing weight and maximising the space available for other components. To protect the data flows against any disturbance, the factory automation infrastructure needs to be robust, compact and secure.

#### Key Product

- SPE (Single Pair Ethernet)

#### Key Applications

- Industrial manufacturing
- Building automation
- Automotive technology

#### Key Features

- SPE allows the combination of power and data circuits, enabling a reduction from eight wires to just two while achieving the same transmission rates.

This reduces the cable weight from approximately 46 g/m to just 30 g/m, offering a significant saving given the amount of cabling currently required on a modern factory automation floor.

