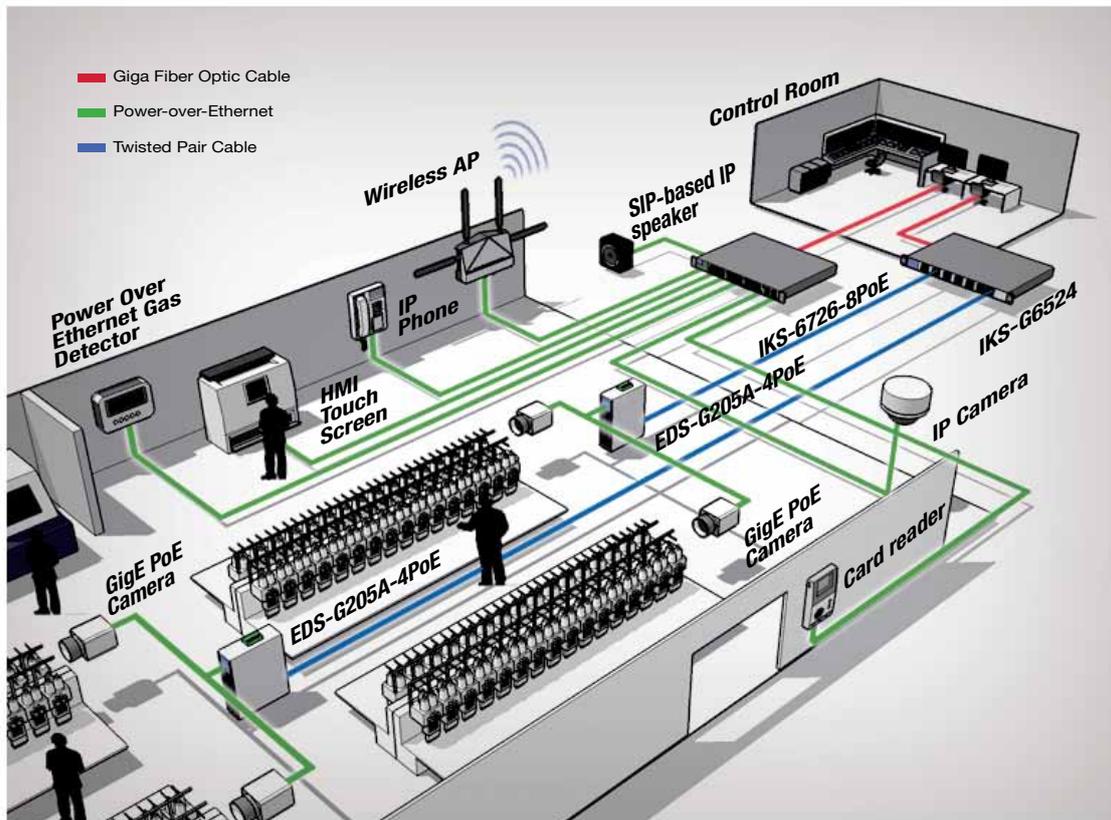




Empowered GigE Machine Vision Communication for Process Automation

In a factory automation system, the density of devices and their specific power requirements can create headaches for system builders and operators. Factory automation devices such as the GigE machine vision devices used in precision manufacturing also consume a great deal of bandwidth in order to capture high resolution images on the assembly line for human operators to monitor. Moxa's full Gigabit PoE+ switches and full Gigabit backbone switches ensure swift, reliable, and uninterrupted video streaming from the assembly line to the control room while still saving on cabling costs.



System Requirements

- Reduced cabling
- High reliability
- Long distance data transmissions
- High bandwidth available for machine vision

Moxa Solution

Moxa's EDS-G205A-4PoE PoE switch features full Gigabit communication and PoE+ high power output to meet the high bandwidth and power demands of assembly line devices such as GigE vision cameras. The 24/48 VDC power input range also makes easily adapts to fit factory power systems. The IKS-6726-8PoE PoE

managed switch provides Turbo Ring and Turbo Chain for network redundancy, as well as PoE support. Moxa's IKS-G6524 managed switch also provides full Gigabit capability and high performance to quickly transfer large amounts of video data through a reliable and dependable network.

Why Moxa

- 24/48 VDC power inputs
- Supports a total of 120 W by smart PoE power management
- Turbo Ring and Turbo Chain (recovery time < 20 ms), and RSTP/STP for network redundancy
- Modular design lets you choose from a variety of media combinations
- -40 to 75°C operating temperature range
- Supports Gigabit communication

Moxa Products



EDS-G205A-4PoE
5-port IEEE 802.3af/at PoE+ unmanaged full gigabit Ethernet switch



IKS-6726-8PoE
24+2G-port Gigabit modular rackmount PoE managed Ethernet switch



IKS-G6524
24G-port full Gigabit managed Ethernet switch