

Industrial Automation

Industrial Automation is the use of robotic machinery under the control of computers to perform manufacturing tasks. Benefits include higher yields, reduced waste, increased precision, improved quality, lower operating costs, and longer production runs. Often the computer controls need to be in a remote area away from the machines performing the tasks (e.g. lumber mill cutting area with sawdust is too harsh for a computer touch screen controller). USB is a common control interface, however there is a distance limitation of five meters for USB 2.0 and three meters for USB 3.0. Icron's USB and USB + Video extenders are the perfect solution to bridge the distance gap.



Why use Icron

The ROI from Industrial Automation is too good to pass on because of USB distance limitations. To bridge the distance gap, Icron's USB and USB + Video extenders stretch up to 100m over CAT 5e/6/7 cable and up to 10km over fiber optics. Featuring simple plug and play installation, compatibility with all operating systems, reliable data transmission, metal housings, and Class B certification, Icron extension solutions are perfectly suited for industrial environments.

Includes the ExtremeUSB® suite of features:



- Transparent USB extension
- True plug and play; no software drivers required
- Works with all major operating systems: Windows®, macOS™, Linux® and Chrome OS™

Increase ROI

Industrial Automation has numerous benefits. Extending USB connections increases configuration flexibility so that companies can take full advantage to maximize their ROI and improve quality output.

Examples of Industrial Automation Applications using USB or KVM Extension

- Food processing
- Automotive assembly
- Lumber mills
- Pharmaceutical
- Electronic goods manufacturers
- OEM board manufacturers
- Power/transformer manufactures
- Research facilities