

USB Extension Solutions for Education Applications

Classrooms have come a long way over the past decade with the increased popularity of interactive whiteboards alongside regular whiteboards or “old school” chalkboards. Teachers and students can now have their creations instantly captured electronically as well as interact and modify existing content such as pre-planned lessons. Numerous studies have shown classroom participation and retention rates increase significantly by taking advantage of these innovations.

Interactive whiteboards require a connection to a classroom computer through USB cabling, however often the teacher’s desk and the interactive whiteboard are at opposite ends of the classroom, stretching beyond USB 1.1/2.0’s 5 meter distance limitation. Icron’s ExtremeUSB® extenders bridge this gap.



Why use Icron

Interactive whiteboards typically only require USB 1.1 connections and there are many different USB 1.1 extenders available on the market to choose from. However Icron’s USB 1.1 Rover® extenders were designed with the classroom environment in mind, featuring superior ESD/EFT protection (think of all that foot traffic on the carpet), ability to handle in-rush current at start-up, and CPSIA safety inspection. Moreover, the Rover series has been proven to work with all models from the world’s two leading interactive whiteboard manufacturers, SMART and Promethean.

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™

Peace of Mind

Icron’s USB extenders are the world’s most reliable. Simply install and never have to worry about product failure. Teachers demand 100% up-time and installers do not want to revisit the site for USB extender replacement. It just has to work, and Icron delivers!

Examples of Machine Vision Applications using USB Extension

- Interactive whiteboard USB extension (including SMART Boards and Promethean ActivBoards)

Icron Solutions

- USB 1.1 Rover 1850
- USB 1.1 Rover 2850
- USB 2.0 Ranger® 2304 Series
- USB 2.0 Ranger® 2311