

# Valens in 1 – 2 – 3

Learn the Whats, Hows, and Whys of HDBaseT

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Optimizing the Collaborative Classroom with HDBaseT for Education

## 1. What?

HDBaseT for education enhances the learning experience and delivers the optimal networking solution for campuses. Advancements in technology have led to a new approach to learning that is more collaborative, flexible and sophisticated. Connectivity is a central element in the collaborative classroom, as boards are being replaced by digital displays, and multiple sources of information – servers, laptops, projectors, displays, student tablets, etc. – are connected for an efficient and innovative learning experience.

Schools and universities strive for the most advanced systems to support their growing need for connectivity and communication, and would rather utilize their pre-installed cable infrastructure, to save money and resources.

## 2. How?

HDBaseT is the one-cable solution for the educational sector, and addresses distance limitations, connectivity issues and scalability.

HDBaseT technology allows for the convergent delivery of the 5Play feature set – uncompressed ultra-high-definition audio & video, Ethernet, controls, USB 2.0 and up to 100W of power over a single LAN (Cat6 or above) cable, for up to 100m/328ft. In addition, HDBaseT extenders allow equipment without embedded HDBaseT to connect to the overall network.

With bi-directional USB functionality, HDBaseT enables the interactivity and collaboration expected in such an environment, including keyboard and mouse functionality, touch screen capability and video sharing.

## 3. Why?

HDBaseT for education offers standardized technology for full interoperability and interactivity, irrespective of source type and distance.

Whether the class is in a room, auditorium, or campus-wide, HDBaseT minimizes distances between sources and displays. HDBaseT simplifies installations and reduces costs by leveraging the pre-existing cable infrastructure, usually comprised of category cables. Utilizing category cables allows convenient scalability and future-proofing. They are easily handled and can be field terminated.

HDBaseT feature-rich technology offers the ultimate connectivity solution for advanced devices throughout campus, and supports easy deployment of additional devices in the future.