

ENDELEO EDUCATION CASE STUDY

NORTH CAROLINA SCHOOL DISTRICT



Endeleo Distributed Media products consolidate, switch, and distribute television and other audio/video sources.

A school district in North Carolina needed to solve two separate, but inter-related, problems. It needed to distribute 20 channels of SD Cable TV from a central headend out to 40 classrooms, and it needed to provide low-cost control of a projector, as well as the ability to select sources and change the TV channel.

Most of the 40 classrooms were not wired for cable TV, so the customer had to decide whether to redo a complete coaxial infrastructure at a significant initial cost or use the UTP infrastructure that had recently been installed for voice and data connectivity.

Within each classroom, new RS-232-controllable projectors were being installed, and where possible, existing A/V cabling from the classroom lectern to the projector was to be used. School administrators were keen on using a permanently-installed control interface, but their budget would allow touch panel interfaces or controller-driven keypads.

Further, the selected control interface needed to be easy to use and provide source selection, TV channel changing and projector power control. The school district's Green Initiative also required nightly shutdown of every projector to help reduce electricity operating charges and heat generation.

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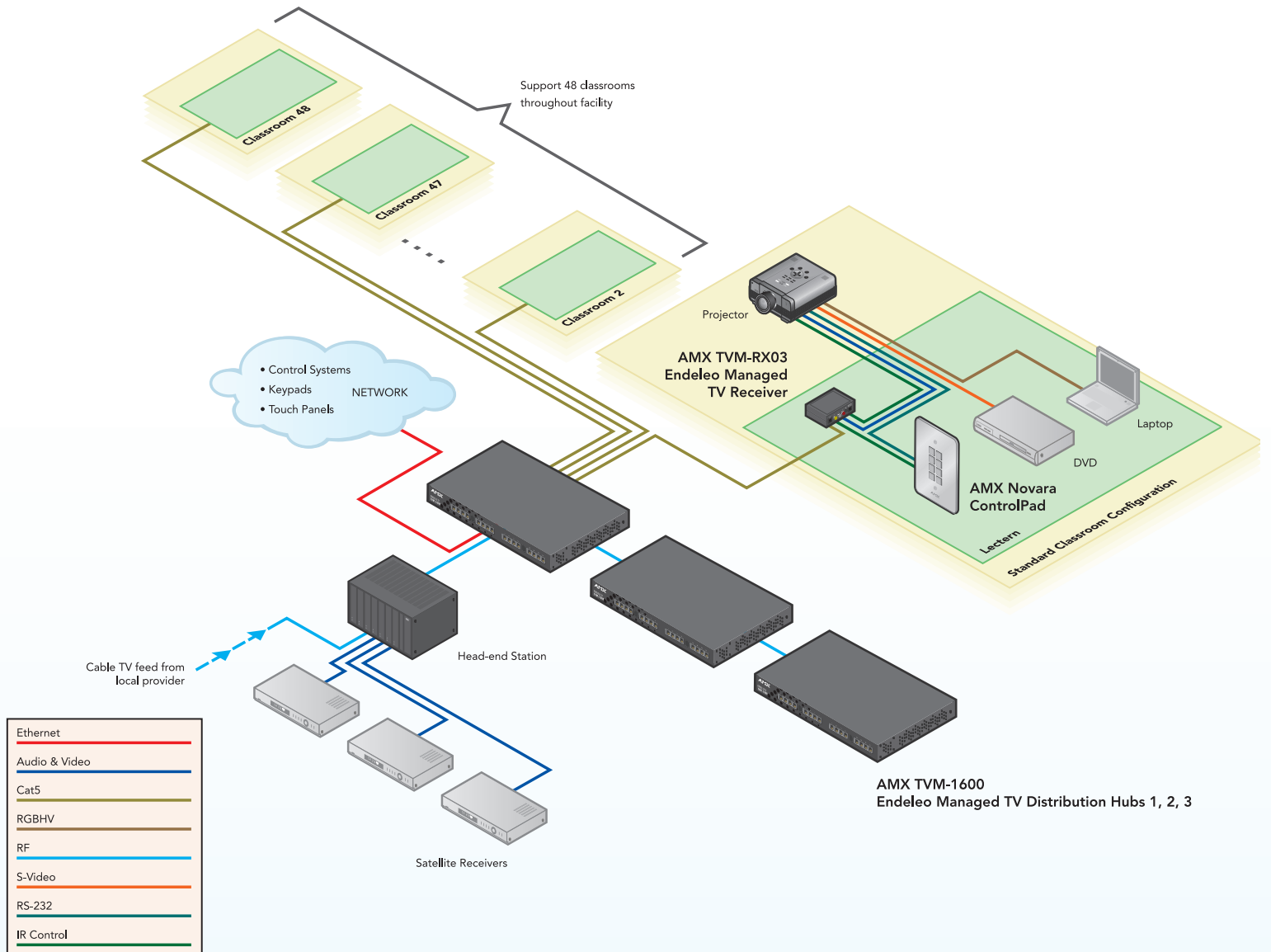
ays and Gates, **Distributed Media**, Distributed Audio and Video



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As a result, the design needed to provide cost-effective distribution of TV signals into the classroom; enable central scheduling of power control for every classroom projector; and allow for a low cost, basic control interface within each classroom.

After careful design consideration, the proposed solution incorporated TV distribution over UTP using the AMX® Endeleo Managed TV Distribution System and the AMX Novara® ControlPad.



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