

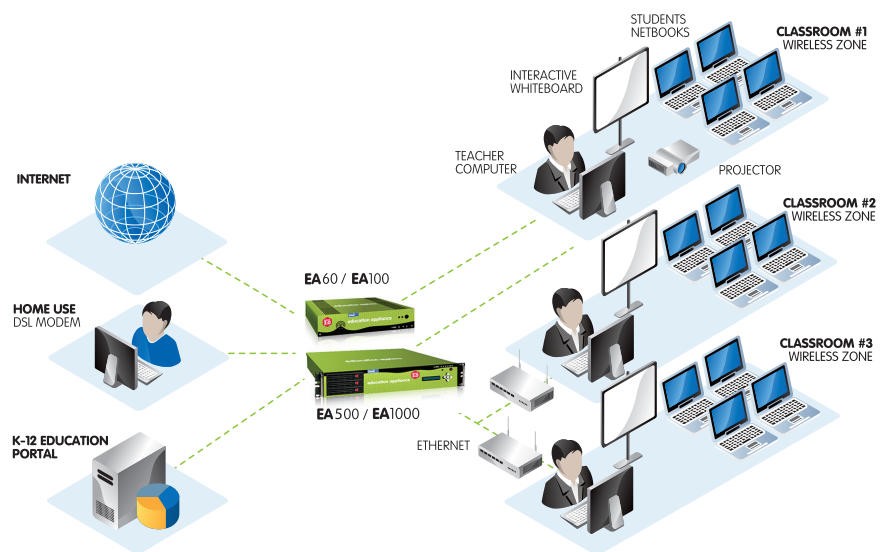


# education appliance

enabling School 2.0



The award-winning Critical Links Education Portfolio is delivering Learning, Networking and Administration infrastructure for School 2.0, the next generation of schools



**Education Appliance Hardware Specifications**



EA60



EA100



EA500



EA1000

	EA60	EA100	EA500	EA1000
<b>MOTHERBOARD</b>	Intel® Desktop Board DQ45CB	Intel® Desktop Board DQ45CB	Intel® S3420GP/X8SIA	Intel® S3420GP/X8SIA
<b>CHIPSET/PCH</b>	Intel® Q45 Express Chipset	Intel® Q45 Express Chipset	Intel® 3420 Express chipset	Intel® 3420 Express chipset
<b>PROCESSOR</b>	45nm Intel® Core™2 Duo	45nm Intel® Core™2 Quad	Intel® Xeon X3430 processors	Intel® Xeon X3430 processors
<b>VIRTUALIZATION</b>	Supported	Supported	Supported	Supported
<b>MEMORY SIZE</b>	4G DDR2 667MHz DIMMs	4G DDR2 667MHz DIMMs (up to 8G)	8G DDR3 1333MHz DIMMs	16G DDR3 1333MHz DIMMs
<b>ECC MEMORY</b>	Not supported	Not supported	Supported	Supported
<b>STORAGE</b>	3.5" serial ATA HDD (500GB/7200RPM)	3.5" serial ATA HDD (500GB/7200RPM)	RAID 2x3.5" serial ATA HDD (1 TB/7200RPM)	RAID 2x3.5" serial ATA HDD (1 TB/7200RPM)
<b>CHASSIS</b>	Micro-ATX chassis	Micro-ATX chassis	2U Rack-Mountable 3*3.5" drive bays	2U Rack-Mountable with External 3*3.5" drive bays
<b>POWER SUPPLY</b>	80 PLUS® Certified 350 Watt ATX12V v2.1 power supply	80 PLUS® Certified 350 Watt ATX12V v2.1 power supply	80 PLUS® Certified 400 Watt ATX12V v2.1 power supply	80 PLUS® Certified 400 Watt ATX12V v2.1 power supply
<b>INTERFACES</b>	2 X Ethernet Ports USB 2.0	2 X Ethernet Ports USB 2.0	2 X Ethernet Ports USB 2.0	2X Ethernet Ports USB 2.0
<b>MAX # OF USERS</b> <b>MAX # OF CLIENT DEVICES</b>	300 Student Accounts 60 Concurrent Client Devices	500 Student Accounts 100 Concurrent Client Devices	1000 Student Accounts 500 Concurrent Client Devices	3000 Student Accounts 1000 Concurrent Client Devices

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The Critical Links **education appliance** (EA Series) platforms share the same features. These features can be categorized under Learning, Networking and Administration:


Deployed  
in the world's  
largest school  
modernization  
program





## Learning


1:1 and collaborative learning are provided by the EA Series Appliances with 24X7 access to learning resources including LMS, LAMS, Wikis, Blogs, Forums, Chats, Conferencing and Messaging.

-  Learning or Course Management System (LMS)
  - Schedule and Course Management
  - Supports on-line and classroom learning
  - Administration for Users, Courses, Grades, Languages, Security, Appearance, Networking, Reports

-  LAMS Learning Activity Management System
  - Manage and deliver on-line collaborative learning activities
  - Highly Intuitive visual authoring environment suitable for content development and collaborations

-  Wikis, Blogs, Forums, Chat
  - Wikis and Blogs allow the joint creation and sharing of documents and content
  - Forums and chats for discussions among students or teachers and students
  - Tools for collaborative learning

-  Whiteboards \*
  - Integration with smart and white board equipment


-  Shared Screens
  - Shared screens among teachers and students


-  - Teacher/Student Grade book





## Networking


The Critical Links EA Series Appliances support comprehensive voice, data and video communications between a student and teacher, and amongst the students, both locally and remotely.


-  Connectivity
  - Wireless (802.11 b/g/e) support using external access points.
  - Ethernet 10/100/1000 Mbps


-  - Internet access, Proxy services


-  Unified Communications
  - Email, web servers
  - Instant Messaging


-  Routing
  - Static IP Routing
  - DHCP Server with multiple range
  - DNS Server (Master and Forward)

-  Quality of Service
  - Priority & allocation of bandwidth
  - Advanced web caching

-  Network Printers
  - USB interface for printers
  - Can be shared among students

-  Shared Storage
  - Local storage capacity, Shared folders, Security and Allocation


-  Network Security
  - Full security and firewall
  - Authentication system for students, teachers and guest users

-  - Alert and IP Phone System \*





## Administration


The EA series provides administrative and security functions through a simple, easy to use interface. All administrative tasks related to learning and networking functions are supported.


-  Client PC Management
  - Configure, view, update and delete OS image, user data, network profiles on client PC (student laptops),


-  - Teachers & Students Single Sign-On

-  Theft Deterrence
  - Classmate PC lockdown and shutdown feature discourages theft


-  Asset Management System (AMS)
  - Provides system information (versions; releases; configurations) of the student and other devices

-  Student Information System (SIS)
  - Documents student specific information
  - Demographics, class scheduling, performance transcripts, attendance

-  Unified GUI Management
  - Zero touch, preconfigured with most common options
  - Simple easy-to-use interface to manage all service and functions remotely.
  - GUI in English, French, Portuguese, Spanish

-  Full Reports and Statistics
  - Use of Internet access, storage, printer and other shared resource usage can be monitored.
  - Reports periodically by administrator & assessment

-  - Parental Supervision & Control

-  System Backup
  - Automatic or manual backup for Client PC and the Education Appliance

-  Desktop Shell Server for Classmate PC
  - Simplified interface for kids

### About Critical Links

Critical Links is a pioneer in delivering innovative Learning, Networking and Administration solutions for Schools 2.0 – the next generation of Schools. Critical Links' Education Appliance portfolio (EA series) provides the learning, networking and administration tools necessary to support a highly interactive and content-rich educational experience. The EA series 60 and 100 appliances deliver e-learning platforms for up to 500 students, while the EA series 500 and 1000 provide scalable platforms that support sophisticated learning and ICT capabilities for schools of up to 3000 students. The Critical Links Education Appliance has been deployed globally including in the world's largest school modernization program. More information about the School 2.0 portfolio and Critical Links Education Appliance series can be found at <http://education.critical-links.com>

\*Available soon

<http://education.critical-links.com>



Works with  
Intel®  
Learning  
Series

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