THE C3 MICRO-CLOUD IS COMPRISED OF:

C3 MICRO CLOUD
The C3 Micro-Cloud is a local appliance that provides a complete cloud-based environment in a small footprint. It creates a safe network environment with a local content repository and e-Learning tools. When Internet is available, the C3 Micro-Cloud manages, filters and optimizes connectivity. Each C3 Micro-Cloud can be managed by the C3 Cloud Control for content curation, distribution, and management.

C3 CLOUD CONTROL
The C3 Micro-Cloud is a complete, end-to-end software solution spanning the local micro-cloud (for classroom and school functions) to the central Cloud Control (for content curation, distribution, and management). It creates a safe network environment with a local content repository and e-Learning tools. When Internet is available, the C3 Micro-Cloud manages, filters and optimizes connectivity.

FOUNDATION LMS
The C3 Micro-Cloud comes with Foundation LMS, a basic learning management system which provides student and teacher resources to enable the e-Learning experience. For more advanced requirements, the C3 Micro-Cloud ships with Moodle - a leading LMS - to allow more advanced implementations of the e-Learning experience.

THE C3 MICRO-CLOUD PLATFORM

Enabling e-learning in non-connected environments
Plug-and-play Micro-cloud: easy to use in any scenario
Wi-Fi Access Point to allow easy access to locally cached resources
Compatible with notebooks, desktops, tablets, mobile phones
Access your digital content instantly into C3 local repository
Enable real off-line e-learning with the integrated LMS
Optional battery available (up to 5h)

Enhancing connected environments
Manages remotely hundreds’ schools from a central dashboard (C3 Cloud Control)
Filter & Control Internet access by profile, controlling which sites can be accessed
Improves Internet speed with intelligent dynamic caching (videos/pages)
STEM: Enable a Closed loop education environment

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HOW DOES C3 MICRO-CLOUD WORK?

The C3 Micro-Cloud integrates cloud-based content, curation, and management with a local point of presence. The result is the power of cloud-based e-Learning even in locations that may not always have internet access:

END-TO-END SOLUTION ARCHITECTURE

1. The C3 Micro-Cloud provides a local wi-fi access point, so that students and teachers can connect directly with the micro-cloud device and access all applications, services and content directly, even if 'upstream' network services are not available.

2. Content, in the form of texts and other resources, can be centrally curated in the C3 Cloud, and distributed to any authorized C3 Micro-Cloud whenever a network link is available. In addition, added value resources such as those from approved HTTP and HTTPS web sites can also be included in the local repository - again to be available even if the upstream network is down. Teachers can also load their own content locally, for use with their students - for a more customized learning experience.

3. With the C3 Cloud Control, not only can content and resources be managed centrally, but so can administration and management. Security policies, usage policies, user access levels - all can be managed centrally for an entire region/country of authorized C3s, to ensure uniform compliance and education throughout the entire system.

Find out more and visit www.critical-links.com or contact us at info@critical-links.com

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# PRODUCT PORTFOLIO

<table>
<thead>
<tr>
<th>Features</th>
<th>C3 Classroom</th>
<th>C3 Hybrid</th>
<th>C3 School</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Dimensions</strong></td>
<td>18.3 x 19 x 2.8</td>
<td>18.5 x 4.4 x 19.7</td>
<td>17.5 x 36 x 43.5</td>
</tr>
<tr>
<td><strong>Storage</strong></td>
<td>120GB to 1TB SSD or 500GB to 2TB HDD</td>
<td>120GB to 1TB SSD or 500GB to 2TB HDD</td>
<td>1 to 2TB HDD</td>
</tr>
<tr>
<td><strong>Embedded Wi-Fi Access Point</strong></td>
<td>bgn/ac</td>
<td>(Optional bgn/ac)</td>
<td>(Optional RAID)</td>
</tr>
<tr>
<td><strong>Intel processor</strong></td>
<td>Celeron</td>
<td>Celeron</td>
<td>Core i3/i5/i7</td>
</tr>
<tr>
<td><strong>Supported users</strong></td>
<td>50</td>
<td>50</td>
<td>100 to 200</td>
</tr>
<tr>
<td><strong>Ethernet WAN Interface (1GB Ethernet)</strong></td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td><strong>Ethernet LAN Interface (1GB Ethernet)</strong></td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td><strong>Mobile interface (3G/4G)</strong></td>
<td>Optional</td>
<td>Optional</td>
<td>Optional</td>
</tr>
<tr>
<td><strong>Battery backup</strong></td>
<td>Optional</td>
<td>Optional</td>
<td>Optional</td>
</tr>
</tbody>
</table>

## Learning Features

- **Digital Content Repository**: Supports any type of content (static web sites, Office files, PDF, video, audio, images)
- **Offline Wikipedia**: Wiki type of content (encyclopaedia, dictionaries, etc.)
- **Video Caching**: Download video from URL for offline viewing
- **Pre Loaded Content**: Project specific or publicly available content can be preloaded at manufacturing
- **Lesson planning**: Teachers can aggregate related content packages in class specific lessons
- **Learning Management System**: Interactive LMS based on latest Moodle version

## Administration Features

- **Local Network & Domain**: Creates a local network for teachers and students with: Active Directory compatible domain, DNS, DHCP
- **User Authentication**: Support user authentication with local or remote single sign-on capability
- **Profile Management**: Support profile management with preconfigured standards for administrators, teachers, students and guests
- **Customizable Interface**: Organization or school configurable logos and color branding
- **Landing page**: Configurable landing page per user profile (e.g. Student page; Teacher page)
- **3rd party applications**: Easily add additional applications (Docker or VM)

## Internet Features

- **Internet Gateway**: Routes and controls Internet bound traffic by profile
- **Internet Caching**: Optimizes Internet usage by caching HTTP and HTTPS requests
- **Whitelisting**: Optionally filters and limits Internet access by user profile
- **Firewall**: Protects access to C3 applications from outside users
- **C3 Cloud**: Centralized dashboard for content management and distribution to C3 appliances
- **Cloud VPN**: Enables easy access to C3 for remote management/troubleshooting
- **Online updates**: System software updates from Critical Links managed update center

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