COBA
Connected Open Building Automation

COBA Server Software

Open Building Operating System platform to enable integration and interoperability of all building systems

Now you can take advantage of the real-time control and monitoring, dynamic graphics, and multi-vendor integration capabilities of COBA Framework on the hardware of your choice. COBA Server Software provides all of the capabilities of an open integration platform, modern SCADA, and enabler of model-based design in a single software solution.

You can run the COBA Server Software on Linux, most Microsoft XP Professional®, Windows Server 2003 and other Windows compatible computers. The COBA software communicates with external systems and devices utilizing a variety of media and protocols, such as LonWorks, TCP/IP, M-Bus and others. The platform expands through drivers to a wide range of existing and future systems, including building automation and controls, lighting controls, electrical controls, consumption metering, home automation systems, access control and intruder alarm systems, emergency lighting and central battery systems, fire alarm systems, as well as cameras and video monitoring systems. The generic LonWorks driver is included in the COBA license, other drivers are sold separately.

COBA software takes advantage of open interfaces such as XML, SQL, Web Services, HTTP, SOAP, JMS and RMI as well as the latest Sun JAVA technologies. The hardware platform requirement is defined by the solution type only – scaling from home automation COBA server fit in mini-PC up to demanding COBA based enterprise applications running in high-availability server environments.

Unlike any other platform, COBA is based on a standard data model, which enables efficient handling of structured data. The building, its technical systems, their sphere of influence and included devices as well as user roles are defined in the data model. For example, the data model enables importing designs to COBA in structured IFC format without any manual operations.

Features

- Visualization
- Alarm logs and alarm forwarding
- Historical trending
- Logs and reporting
- User profile and role management

Platform for integration and interoperability

- True client server architecture with multiple user interface alternatives
- Common services to allow for versatile structure, flexibility and easy maintenance
- Standard data model to take advantage of uninterrupted data flow from design to maintenance
- Expanding driver library to cover a wide range of existing and future systems
- Continuously increasing support for multiple vendors and protocols

Connectivity through multiple user interface types

- Versatile client software for control rooms
- Remote usage through a Web Browser
- Mobile usage with standard cell phones
- Alarms reach you everywhere

System Architecture

The COBA system architecture is open and clearly layered. Intelligent integration and the use of standard technologies allow the solution to be modified and extended at minimal cost.

VERSATILE SERVICES

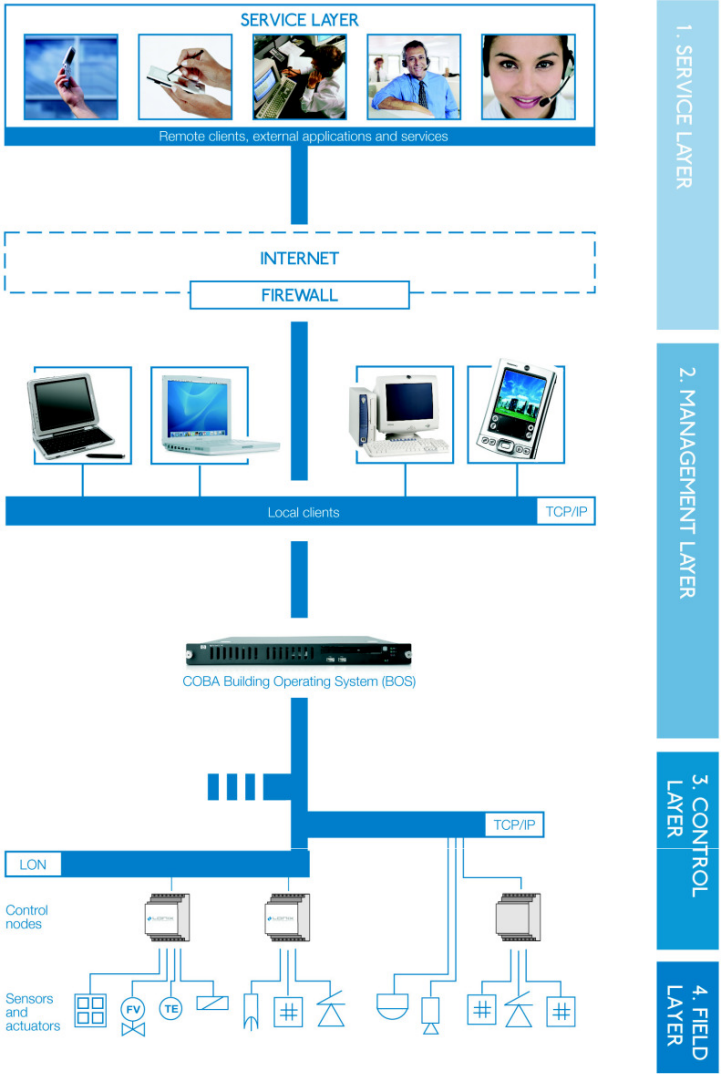
Easy and secure access to building's functionality in a standard manner – COBA allows for convenient usage, simple maintenance and very efficient provisioning of maintenance and security services. Professional service providers can monitor alarms, optimize the building functionality and provide remote diagnostics of all devices and systems – the possibilities are endless.

EFFICIENT MONITORING

Connectivity through multiple user interface types allows for convenient usage according to your needs. All systems connected to COBA can be accessed through the same graphical user interface. The client software can be installed to unlimited number of remote computers or laptops. The same client software also allows for remote Internet usage of several sites. Browser-based user interfaces are easy to generate automatically for e.g. office rooms, hotel rooms or homes. The solution is extremely flexible and easy to use.

LICENSING POLICY

Licenses for COBA Server Software are available from system integrators and vendors of COBA compliant systems. License price depends on number of connected I/O points, number of allowed concurrent users of the server software and included drivers. Licenses of the client software and browser user interfaces are free of charge.



Platform Requirements

Processor:
1.0 GHz Intel or AMD processor

Memory:
512 MB RAM , 1 GB recommended

Hard drive:
Minimum 40 GB

Network adapter:
10/100 Mbps

Operating system:
Linux, Microsoft XP Professional®, Windows Server 2003 and other Windows compatible computers

I/O Points	Concurrent Users
100	2
500	5
1000	10
5000	unlimited
unlimited	

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This product is compliant with COBA Framework definitions