

- Golden, Colorado •



The Complete  
Solution

## Peak Components

### Product Overview & Specifications

In response to requests from OEM's, System Integrators, and developers, IEC has developed a **revolutionary** new family of software products that offers a **quantum leap forward in performance, flexibility, and functionality**. The Peak Components product line is a set of software components that can be used as part of or as a complete system to provide LON-TALK® network management functions. **These components can be applied in:**

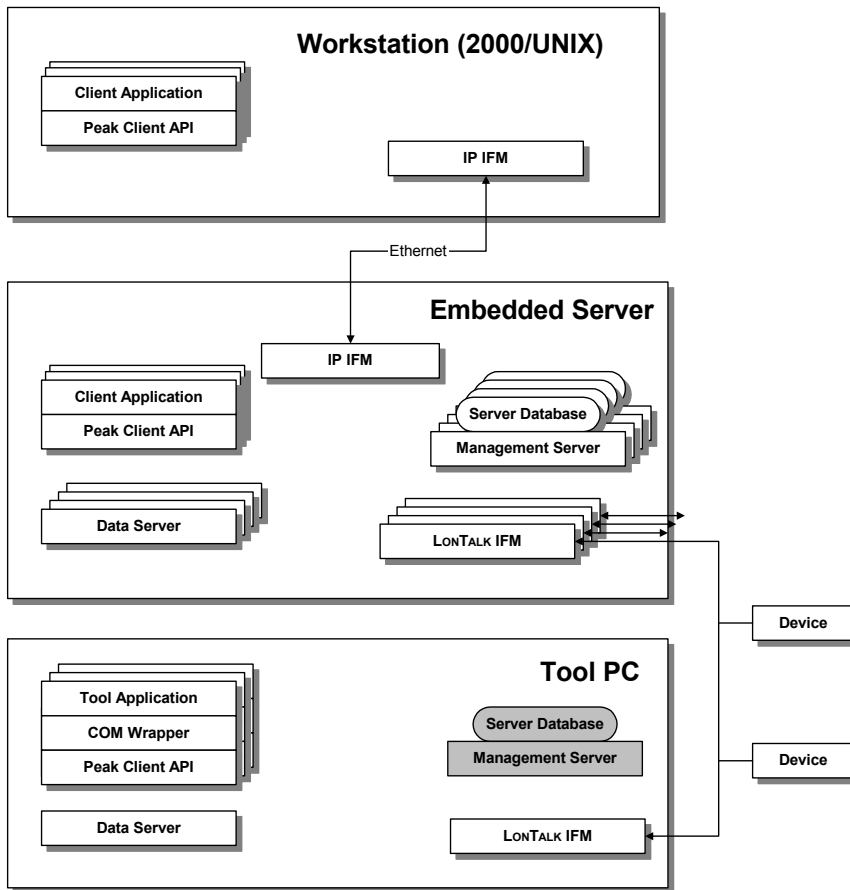
- A PC environment such as a laptop running Windows®
- An embedded environment such as a handheld tool or a building control panel
- A workstation operating over other transport layer protocols such as TCP/IP or BACnet™

Peak Components is a low cost alternative to Echelon's LNS designed to:

- Deliver much higher performance (speed) to the end user
- Be used in an Embedded, a PC, or Workstation environment
- Offer very efficient use of computer resources

Peak Components not only supports a **three-tier client/server architecture** and **multiple LON-TALK networks** connected to a server, but **can also operate stand-alone** if required for other control applications. Peak provides equivalent functionality to LNS and **eliminates the need to pay a substantial LNS royalty**. Peak packages commonly used network management functions into reusable software, for efficiency and **reliability** in development. The alternative to Peak is to create product-specific software to perform these tasks, or use LNS and pay royalties and performance penalties. IEC is providing a low cost, high performance, embeddable and Win32, easy to use, out of the box solution.

**Developers can add their own functionality** to Peak by writing custom applications that communicate to the LONWORKS® network via our easy to use C++ class library. These classes include such functions as add/remove node, add/modify/remove connection, and get/set network variable data to mention a few. For developers using Visual Basic, IEC has developed a **COM Wrapper** compatible with your RAD environment. Peak also includes support for CEA-860 Plugins which is truly an open interoperable EIA standard that can be used instead of LNS Plugins.



The figure on the left shows the three-tier, client/server architecture that Peak supports. Even though Peak Components supports this architecture, the product you develop does not have to implement all of the tiers. Peak Components consists of the following:

- *Management Server* that provides all of the network management functions.
- *Data Server* that manages the network variable polls and distributes updates to registered clients.
- *Your client* application(s) that connects to the Peak Servers and issues requests to be performed, by the Servers.
- *Peak Client API* that provides an interface between the client application and the Peak Servers.
- *COM Wrapper* that provides an OLE interface to the Peak Client API to simplify tool development.
- *LonTalk, TCP/IP, and custom Interface Managers* that takes Peak messages and puts them on the appropriate media

The Peak Components family of LONWORKS software products provides the capability to develop and deploy custom applications to manage, visualize and interact with LONWORKS networks. Peak Components are designed to:

- 1) Support the LONWORKS environment,
- 2) Support a three-tier client/server architecture.
- 3) Be highly modular.
- 4) Run on multiple platforms.
- 5) Be a low cost, high performance, embeddable and Win32 alternative to Echelon's LNS.

The Peak Components architecture provides a total, technically superior, low cost, high performance, integrated and flexible solution. Our architecture provides significant performance, cost, and architectural advantages over other offerings. **Peak Components provides the complete solution.**

IEC has been dedicated to the LONWORKS market since 1991. IEC's commitment to excellence in the LONWORKS market is evidenced by a diverse and superior product family of software, hardware, and services that contributes to the success of our customers. All IEC LONWORKS products are designed to conform to LONMARK® standards. Contact IEC Intelligent Technologies for pricing and more information on our complete suite of complementary software, hardware and supporting services.

## **IEC Intelligent Technologies™**

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