



Hiveware® for Ipv4Ipv6Comms

The **Hiveware® for Ipv4Ipv6Comms** is a non-GUI Hiveware context node (cxnode). It has two sub-cxnodes which are [RFC7217Cpp](#) and [Ipv4Ipv6MFC](#). These two sub-cxnodes are the top nodes for the rest of Hiveware's downstream apps.

FOR SALE

The **Hiveware® for Ipv4Ipv6Comms** cxnode further develops and maintains the Hiveware comms code which forms the basis of all subsequent Hiveware cxnodes.

Part-ownership slots are for sale for a limited period of time. See the [Icolpv4Ipv6CommsSales sheet](#) for details.

Features

- Enables enterprises to upgrade their legacy MFC apps to obtain Ipv6 functionality.
- Enable IoT components to be directly accessible via Global Unique TCP Addresses without the limitation of servers.
- Eliminates MFC's Ipv4-bound [CAsyncSocket](#) class.
- Creates Global Unique Addresses (GUA) for the TCP/IP protocol.
- Asynchronous (optional) logging.

- 128-bit application defined value (secret key) which means you own the data being sent to the receiver and not the Windows operating system.
- Implemented using WinSock 2.2 generic send/receive calls: ::recv, ::send, ::bind, ::select, ::listen, ::connect. Does not use [WSASocket](#) functions because the code needs to be easily upgradable to the upcoming standard **ISO C++23 Networking** when it emerges.
- Takes advantage of Microsoft's ip-family-agnostic functions, that is, socket calls that operate with either the AF_INET or AF_INET6 address families.
- The library has been stress tested to over 100K round trip iterations (Debug and Release).
- The library has been partially tested using the massively multi-threaded Hiveware framework.
- The library is able to gracefully degrade its connections at runtime depending on the individual user's network capabilities.
- The library is able to specify as a property which internet types to prioritize (like Ethernet over Wireless when available) when runtime iterating through interfaces.
- Implements the [RFC7217](#) IETF standard.
- Ipv4Ipv6MFC library delivers continually released source code for a yearly fee.

CONTACT US

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