

iWARE™ Frame Relay Module

Robust Protocol Implementations for the Most Demanding Environments

FEATURES

Complete, fully-integrated Frame Relay stacks available from Interphase Professional Services

Different types of traffic such as IP, IPX and SNA can be carried on the Frame Relay channel

Enables fast and easy integration with a broad range of communications applications, including:

- 2.5G wireless: Serving GPRS Support Nodes (SSGN)
- 2.5G Wireless: Gateway GPRS Support Nodes (GGSNs)/Border Gateways
- Core Routers
- Frame Relay access devices



The Interphase iWARE Frame Relay module provides the tools to seamlessly port the protocol to virtually any Frame Relay application. The Frame Relay protocol suits applications with high output and low latency, enabling high-performance and scalability. Fully interoperable with other Interphase protocol modules and conforming to industry standards, the iWARE Frame Relay module supports multiple DLCIs as well as protocol multiplexing for different types of traffic such as IP, IPX and SNA. Also supported are management functions for DLCI, congestion and Quality of Service.

The iWARE Frame Relay module from Interphase provides the embedded firmware, sample programs, and extensive documentation to enable easy integration into any Frame Relay application environment.

iWARE Frame Relay Module

Additional Features

- DLCI management (user defined, automatic)
- Frame size up to 4096 bytes supported
- Quality of Service (QoS) management (CIR, Bc, Be, T)
- Congestion management (BECN, FECN, DE)
- User side of the User to Network interface
- Unicast only
- PVC only (up to 976 users' DLCI)
- IP, IPX, and SNA over Frame Relay (RFC 1490)

iWARE Software Development Suite

The Frame Relay protocol module runs with the iWARE Software Development Suite, which includes:

- Embedded Firmware (Executed by the on-board PowerQUICC processor)

- Base Drivers for each supported operating system (Executed by the host processor)
- Configuration and diagnostic utilities
- Sample programs
- Extensive documentation for each component of the suite

For a detailed description of the kit contents, refer to the iWARE Software Development Suite datasheet.

Interphase also offers complete upper layers of the Frame Relay protocol from third party stack vendors, which are fully integrated with Interphase lower layers. For details, please refer to documentation on Interphase Professional Services.

Standards Compliance

- RFC 1490 Bridged and routed multiprotocol encapsulation
- ITU-T Q.933
- ITU-T Q.922

Why Choose Interphase?

- Interphase has built a strong reputation for quality and dependability while maintaining a focus on our customers' needs.
- As an **enabler** of next generation technologies, Interphase provides the know-how, the experience, and the commitment to make new technologies flourish.
- As an **innovator**, Interphase offers the most advanced solutions on the market today.
- As a **partner** in your success, Interphase will stop at nothing to exceed your expectations and enable fulfillment of your project goals.

CONFIGURATION OPTIONS

4537-906: VxWorks iWARE Base Module

4537-906-FR00: VxWorks-Frame Relay protocol

4537-907: Solaris iWARE Base Module

4537-907-FR00: Solaris-Frame Relay protocol

Please Note: The four digit numbers indicate the hardware configuration for which this software applies. For additional implementations of the Frame Relay protocol, please refer to Interphase Professional Services documentation.

CONTACT INFORMATION

Web site: <http://www.interphase.com>
E-Mail: fastnet@iphase.com

Corporate Headquarters
13800 Senlac
Dallas, Texas 75234-8823
1-800-FASTNET
Phone: + 1.214.654.5000
Fax: + 1.214.654.5500

European Headquarters
Centre d'affaires 10^{ème} Avenue
855, avenue Roger Salengro
92370 Chaville - France
Tél.: + 33 (0) 1 41 15 44 00
Fax: + 33 (0) 1 41 15 12 13

Asia/Pac Rim Headquarters
Phone: + 66 2 630 4731
Fax: + 66 2 630 4732

(i)chip™, SynWatch™, FibreView™, ENTIA™, PowerSAN™, SlotOptimizer™, iWARE™, iNAV™, and iSPAN™ are trademarks of Interphase Corporation. All other trademarks are the property of their respective manufacturers. Specifications and features subject to change without notice.

General Software Architecture

