

Tarsus License Features

Viterbi Decoder
Latency and Quality Tester
Best Source Selector
and more...

PCM

RF

FM

Data Link
Analyzers

**Custom
Telemetry
Solutions**

License Manager

License File: C:\Documents and Settings\Erin\Desktop\License Files\Ulyssix\ErinAllFeatures.xml

Company: Ulyssix Technologies, Inc.

Phone: (301) 846-4800

Installed Features

Product	Description	ID
Viterbi	Provides FEC on Simulator and Viterbi decoding on Bit...	F576F2D45E6DC334F823D15...
Client Frame Arch...	Provides remote access to TarsusPCM frame data via ...	2C0F9B33B79364EDE42026E...
IADS Data Server	Sends data to an IADS Data Server	67BA28D8A8A4B8FC908ABF...
RS232 Param Se...	Allows output of parameter data to computers COM por...	8130DCDC28F4D924920998...
Best Source Sele...	Allows TarsusHS-02 to perform best source selection b...	07FA58CE389CA5B9EB4B3C...
Data Quality Enc...	Allows TarsusHS-02 to insert data quality info into strea...	ED6B69CE677447991C891C6...
LQTester	Provides functionality for testing the latency and quality...	FBE1CA4CDB03EAF43BD8CC...
Client-Server	Provides remote access to a TarsusPCM card via a cli...	155696B48B65F85F815444F8...

Local System Info

MAC Address: 0023AE854EA

To purchase features, please call Ulyssix Technologies at 301-846-4800. Please have the MAC Address number shown above ready. A new license file will be generated and distributed as soon as possible.

*Software
Solution*

*Licensed
Features*

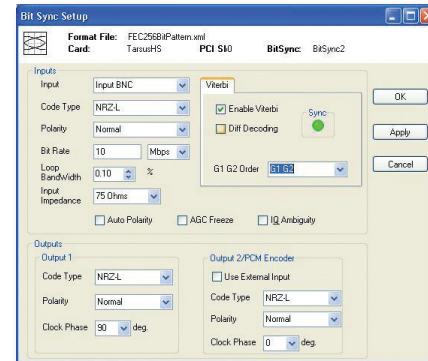
Viterbi Decoder

Designed for Forward Error Corrected PCM data streams

Our decoder uses a 7 soft bit decision algorithm for enhanced Eb/N0 rejection from the traditional 3 soft bit implementation

Allows user to select fully independent G1, G2 polarity and orientation

Available in both the Tarsus Software Suite and Gryphon102/104 systems



Latency and Quality Tester

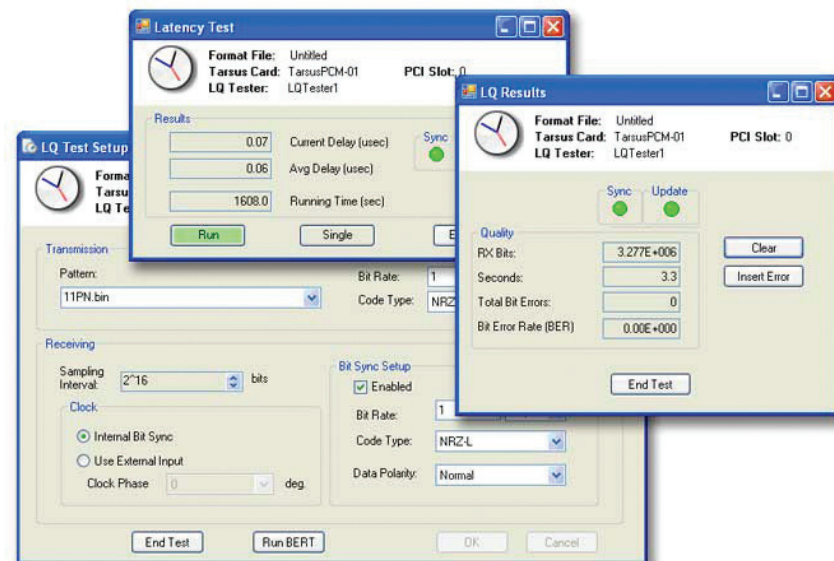
Latency Tester

- Provides accurate measurements of round-trip link delay with average delay calculated
- Single or average run modes available using prestored pseudo-random patterns, a user defined major frame simulated pattern, or a prestored Tarsus Archive Data (.tad) file

Quality Tester

- Utilizes precise Bit Error Rate calculations
- Tests using prestored pseudo-random patterns or a user defined major frame simulated pattern
- Has independent transmitter and receiver capabilities with selectable sampling intervals

Available only in the Tarsus Software Suite

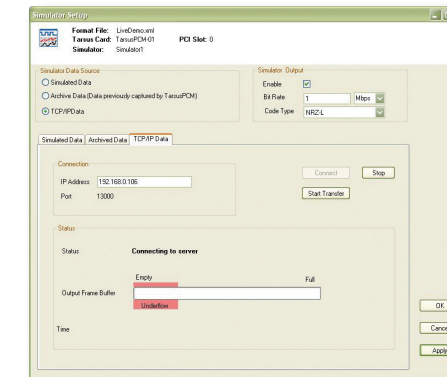


TCP/IP Frame Publisher and Simulator

This option allows publishing of the TarsusPCM frame archive data flow to an external TarsusPCM simulator across a TCP/IP network connection

This option can handle data rates up to 12 Mbps

Available only in the Tarsus Software Suite



Best Source Selector

Designed utilizing the TarsusHS-PCI-02 Dual Bit Sync/Frame Sync card

Allows for selection between two identical streams of data based on user selected criteria

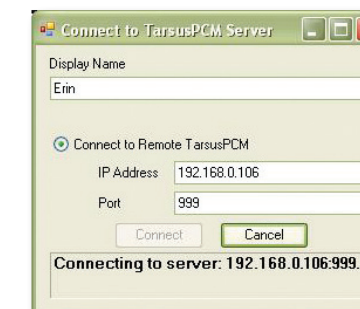
Source selection determined by frame lock status, number of sync errors and/or Eb/N0 calculation

Available in both the Tarsus Software Suite and Gryphon102/104 systems

Client/Server Software Suite

Gives user capability to send parameter data from a server system containing TarsusPCM hardware to client computers running the Tarsus Software Suite

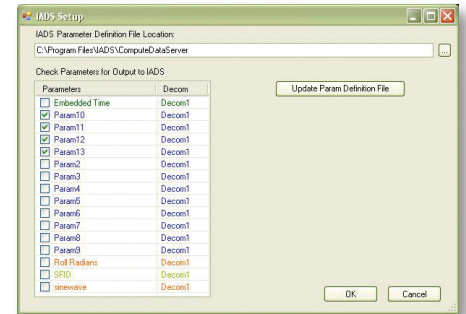
Available only in the Tarsus Software Suite



Other License Options

IADS Interface

- Allows individual parameters to be labeled and selected for export in win-sockets to the Symvonics IADS display software
- Creates parameter definition file needed by Symvonics Computer Data Server software
- Capability available only in the Tarsus Software Suite

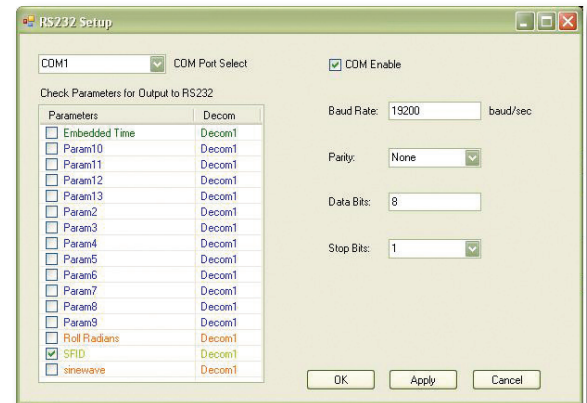


Cyclic Redundancy Check (CRC) Algorithm

- Designed for use on PCM data streams with embedded error detection data within each minor frame
- Capability gives user feedback on the quality of the data that has been received
- Available in both the Tarsus Software Suite and Gryphon102/104 systems

RS-232 Parameter Output

- Allows output of selected parameters via computer's COM ports
- Hardware Flow Controlled to eliminate potential data loss
- Valid bit enable allows a single bit of word to trigger parameter output
- Capability available only in the Tarsus Software Suite



Data Quality Encapsulator

- Designed for use in Best Source Selection of encrypted data streams
- Allows bit sync to calculate a E_b/N_0 noise value to help determine the best data stream
- Embeds an E_b/N_0 data measurement into the encrypted stream with a DQE frame sync pattern, frame count and usec time counter
- Available in both the Tarsus Software Suite and Gryphon102/104 systems

Specifications subject to change without notice.