



Encore's T.38 Fax Relay

Technology

The implementation is a real time fax relay; supports ITU-T T.38 along with fax data pump ITU-T V.17, V.29, V.27ter and V.21 Protocols.

Features

- Adheres to all the mandatory features of ITU-T T.38
- Support up to and including 14,400 bps fax (ITU-TV.17, V.29 and V.27ter)
- Interoperability tested against T.38 gateways and routers and T.38 enabled ATAs
- Supports redundancy for error protection in UDP mode of packet transfer.
- Spoofing technique implemented so as to handle fixed latency and jitter in receiving IFP packets
- Multi Channel Capability
- Highly optimized implementation
- Relocatable Code & Data Modules.
- Flexible Programming Interface ('C' Callable).
- Inter operability tested using commercial fax machines and the Genoa Technology's FAXLAB™ T.30 test suite to ensure seamless T.30 relay.
- Tested for various IP network impairments such as latency, jitter, packet losses, out of order packet and duplicate packets.
- Provided in the form of Hardware Independent Library for easy pointing to the target platform.

Platforms

- TMS320C55x
- BlackFin (ADSP BF53x Series)
- ZSP400
- ColdFire (MCF52xx,53xx,522xx)
- PowerPC

Performance Numbers¹ (T.38+DP)

Platform	Program Memory (K Bytes)	State Memory (K Bytes)	Scratch (K Bytes)	Tables (K Bytes)	MIPS/MCPS
TMS320C55x	44	23	0	4.8	13.9
BF53x	50	18	0	4.8	24
ZSP400	36	14 ²	0	4.8	14.1
MCF52xx, 53xx, 522xx	54	16	0	4.65	34
PowerPC	120	16	0	4.65	26

¹ Specifications are subject to change

² Round trip network delay catered to with this data memory is 2s. However the implementation supports up to 4s round trip delay, in which case requirement data memory will be more.

Availability

Now

For further information please visit our web site, <http://www.ncoretech.com> or email to: jp@ncoretech.com