



Encore's G3 Fax Data Pump (V.17, V.29, V.27ter, V.21)

Technology

The implementation supports ITU-T V.17, V.29, V.27ter and V.21 (High) Protocols. It enables Group 3 (G3) fax operation at speeds ranging from 14.4 Kbps to 2.4 Kbps.

Features

- Adheres to all the mandatory features of ITU-T V.17, V.29, V.27ter and V.21.
- Variable PCM frame length (5ms, 10ms & 20ms) support.
- HDLC Framing Support.
- Multi Channel Capability.
- Highly optimized implementation.
- Relocatable Code & Data Modules.
- Flexible Programming Interface ('C' Callable).
- Tested against various impairment combinations using Standard Test Equipment (TAS).
- Provided in the form of Hardware Independent Library for easy pointing to the target platform.

Platforms

- TMS320C64x
- TMS320C62x
- TMS320C55x
- TMS320C54x
- BlackFin (ADSP BF53x Series)
- Starcore (SC140)
- ZSP400
- Motorola DSP5630x
- ColdFire (MCF52xx, 53xx, 522xx)
- PowerPC
- ARM-9E

Performance Numbers

Platform	Program Memory (KBytes)	State Memory (KBytes)	Scratch (KBytes)	Tables (KBytes)	MIPS/MCPS
TMS320C64x	40	6	0	4.1	6.5
TMS320C62x	46	6	0	4.1	5.5
TMS320C55x	23.15	5.1	1	4.8	11.5
TMS320C54x	14.4	4	1	4.6	12.5
BF53x	28.5	4.4	0	4.7	16.5
SC140	40	5.8	0	4.8	8
ZSP400	20	4.8	0	4.8	12.1
DSP5630x	24	4.0	1	4.6	15.5
M52xx, M53xx, M522xx	36	4.7	0	4.65	32
PowerPC	66	4.7	0	4.65	24
ARM-9E ⁺	30	3	2	4	17

* Specifications are subject to change

+ For ARM9E, all the data memory blocks need 32-bit alignment. MCPS numbers are assuming flat memory access

Availability
Now

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

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