



## Lucent Technologies Host-Based Controller PC Card Modem (PCMCIA)

### INTRODUCTION

Joining the family of host-based controller modems is the PCMCIA full data/FAX/TAM modem chip set. Maintaining the high level of integration and extensive feature set of the Apollo modem DSP, this three-chip solution includes the CSP1034AH codec and PID, the PCMCIA interface.

These modems are ideal for serious Internet surfing since users can capitalize on the increased speed for downloading multimedia web pages with audio, video, and other large files. To further reduce overall system costs, this chip does not require the associated memory that is needed for controller-based modems.

The chip set will work with *Windows*<sup>1</sup> 95, 98, 2000 and *Windows NT*<sup>1</sup> 4.0 operating systems. The ITU-T V.90 and K56flex enable PC users to achieve Internet connection rates up to 56 kbits/s and backward compatibility with existing V.34 modems.

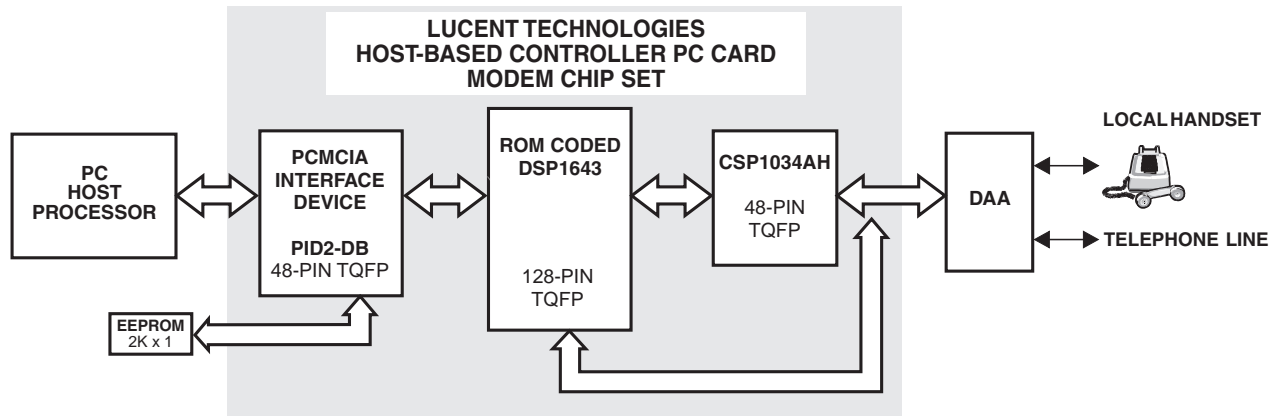
**PC Card Chip Set**

Part No.	Packaging
DSP1643	128-pin TQFP
CSP1034AH	48-pin TQFP
PID2 PCMCIA Interface Device	48-pin TQFP

### FEATURES

- K56flex and V.90 ITU-T for seriously fast Internet surfing
- Integrated Plug and Play functionality
- Data mode capabilities:
  - Ultrahigh compression throughout
  - ITU-T V.34 extended rates: 33,600 bits/s—2,400 bits/s
  - V.32terbo, V.32bis, and fallbacks
  - TIA/EIA<sup>2</sup> 602 standard for AT command set
  - V.42 error correction (LAPM and MNP<sup>3</sup>)
  - V.42bis and MNP Class 5 data compression
- FAX mode capabilities:
  - ITU-T V.17, V.29, V.27ter, and V.21 Ch2
  - TIA/EIA 578 Class 1 FAX
- High-precision, sigma-delta codec CSP1034AH
- Extensive bit I/Os for homologation
- Internal PLL for low-speed crystal support
- Operating systems support:
  - *Windows* 95, 98, and 2000
  - *Windows NT* 4.0
- 5 V chip set

1. *Windows* and *Windows NT* are registered trademarks of Microsoft Corporation.  
 2. *EIA* is a registered trademark of Electronic Industries Association.  
 3. *MNP* is a registered trademark of Microcom, Inc.



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