

Titanium™ FourtePlus ILD



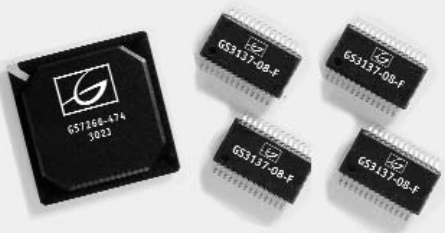
Quad ADSL DLC/MDU Chip Set

G7266

The Titanium FourtePlus Integrated Line Driver (ILD) Asymmetrical Digital Subscriber Line (ADSL) chip set provides the lowest power, highest density, and lowest system cost Digital Loop Carrier (DLC) and Multiple Dwelling Unit (MDU) solutions. The chip set comprises a four channel DSP tightly coupled with four Analog Front End (AFE) ICs that feature a fully integrated line driver with no need for external active components and minimal need for passive components.

The FourtePlus ILD reduces power supply rails and external magnetics and components thereby delivering unrivaled savings compared to competing solutions. The chipset's performance meets the requirements of the DLC and MDU market while its lower power consumption enables up to twice the number of ports for the same power supply yielding the highest density available today. The FourtePlus ILD is production proven, making it an ideal solution for immediate design.

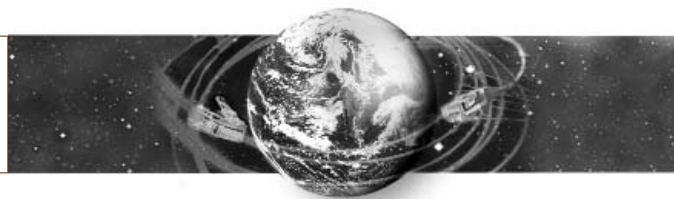
This four-channel chip set solution supports all relevant ADSL standards including ITU G.992.1 (G.DMT), ITU G.992.2 (G.lite) and ANSI T1.413 issue 2. Each channel operates independently, enabling multiple line codes to be supported simultaneously on a single line card. Powered by GlobespanVirata's eighth generation DSP architecture, the full programmability and field upgradeability of the chip set delivers investment protection against product obsolescence.



The Titanium FourtePlus ILD Chip Set*

* Chips as depicted are for representation only.
Actual chips may vary from depiction.

Titanium™ FourtePlus ILD



Features and Benefits

- Lowest System Costs
 - 28-pin SSOP AFE with integrated line driver
 - No external active components
 - Minimal external passive components
 - Only three power rails reduces the number of DC-DC converters
 - Low transceiver power reduces power supply cost
 - Extended Utopia addressing to support up to 255 DSL channels with single ATM controller
- Highest Density
 - Utopia to Tip & Ring: 1.2 sq. in. (7.7 sq. cm.) per port
- Lowest Power
 - G.DMT: 600mW per port
 - +5V line driver operation
- Quickest Time to Market
 - Production quantities shipping today

Applications

- Digital Subscriber Line Access Multiplexer (DSLAM)
- Digital Loop Carrier (DLC)
- Multiple Dwelling Unit (MDU)
- Transmission of ADSL with undisturbed POTS on the same telephone line



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