

ETHERNET-OVER-PDH SOLUTIONS OFFER BEST-IN-CLASS POWER, SIZE, AND FEATURES

The DS33X162 devices are the industry's most advanced Ethernet-over-PDH (EoPDH) solutions for Carrier Ethernet applications. This EoPDH family combines an optimum feature set with the industry's lowest power and smallest footprint. Additionally, only these devices cover the complete range of ITU standardized EoPDH mapping possibilities with a single software architecture!

Industry's Best Power, Size, and Throughput

Parameter	Competition	DS33X162 Advantages
Maximum Power (W)	2.4	1.6 ➡ 33% lower power!
Package Area (mm ²)	729	289 ➡ 60% smaller!
Throughput (Mbps)	155	416 ➡ 250% more throughput!

Beats the Competition

- ◆ Hardware Extraction and Insertion for ITU-T Y.1731 OAM and Other Layer-2+ Protocols
- ◆ Separate Data and Control Planes—No Data-Path Code Development Required!
- ◆ VLAN Tagging and Forwarding

Easy to Use

- ◆ Single Footprint for 4 to 16 PDH Interfaces
- ◆ Single Software Architecture
- ◆ Seamless Interface to T1/E1 and DS3 SCTs
- ◆ Require Only a Low-Cost Microcontroller and SDRAM

Part	No. of TDM Ports	No. of Ethernet Ports	No. of Voice Ports	Package (mm x mm)
DS33X162+*	16	2	0	256-CSBGA (17 x 17)
DS33X82+*	8		0	
DS33X42+*	4		0	
DS33X161+*	16	1	0	
DS33X81+*	8		0	
DS33W41+*	4		1	
DS33X41+*	4		0	
DS33W11+*	1		1	
DS33X11+*	1		0	144-CSBGA (10 x 10)

*Future product—contact factory for availability.



www.maxim-ic.com/DS33x162-info

FREE Communications Design Guide—Sent Within 24 Hours!

CALL TOLL FREE 1-800-998-8800 (7:00 a.m.–5:00 p.m. PT) for a Design Guide or Free Sample



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