

ZARLINK is now
SEMICONDUCTOR



MyCMPG: [Sign In / Register](#) | [Home](#) | [Investors](#) | [News](#) | [About](#) | [Contact Sales](#)

Products • Applications • Technology

GO

adjust font size A A A

Ⓟ ZL30321 PRODUCT PROFILE

GbE/SONET/SDH/PDH Network Interface Synchronizer

PRODUCT STATUS: PRODUCTION

The ZL30321 SONET/SDH/GbE Mult-Rate Line Card Synchronizer is a highly integrated device that provides timing for network interface cards. It incorporates two independent DPLLs, each capable of locking to one of eight input references and provides a wide variety of synchronized output clocks and frame pulses.

FEATURES & BENEFITS

- Supports the requirements of ITU-T G.8262 for Synchronous Ethernet equipment slave clocks (EEC option 1 and 2) when combined with a system synchronizer such as the ZL30116, ZL30121, ZL30130, ZL30138
- Synchronizes to any standard telecom system reference with a multiple of 8 kHz up to 77.76 MHz or to Ethernet clock rates including 25 MHz, 50 MHz, 62.5 MHz and 125 MHz
- Programmable output synthesizers (P0, P1) generate clock frequencies with any multiple of 8 kHz up to 100 MHz

DOCUMENTATION

- [z30321-full-datasheet-jul09.pdf](#)
- [z30321-shortform-datasheet-jul09.pdf](#)

APPLICATION NOTES

- [ZLAN-212-Low_Jitter_Synchronizer_Power_Supply_Decoupling_and_Layout_Practices- Dec10.pdf](#)
- [ZLAN-68 - List of Oscillators & Crystals that can be used with Zarlink's PLL, Digital Switches with Embedded PLL & Timing over Packet Devices](#)

DOWNLOADS, FIRMWARE AND DRIVERS

BSDL Files:

- [z30321ggg.bsd](#)

IBIS Models:

- [z30321_cabga.ibs](#)

SPECIFIC APPLICATIONS

- [ZLAN-267 Generating Common Frequencies with Universal Clock Translators and Universal Clock Generators](#)
- [ZLAN-286 Power Consumption and Dissipation Calculation of Clockcenter Devices](#)
- [ZLAN-269 - Universal Clock Translators/Generators Power Supply Decoupling and Layout Practices](#)
- [VCP2-Type2CallerID-AppNote_Nov11.pdf](#)
- [Switching Regulator Power Supply Design Appnote](#)
- [VE880 Series Trapezoidal Ringing Appnote](#)
- [VoicePort Devices Ground Start Procedure Appnote](#)
- [ZLAN-306-Applications of ZLS3034x and ZLS30390 Application Note](#)
- [ZLAN-300-Linux Software Porting Guide Application Note](#)

TYPICAL APPLICATIONS

- Carrier Grade Ethernet/SONET/SDH/PDH Network Interface Cards
- GPON ONT/ONU
- T1/E1 line cards
- DS3/E3 line cards

PRODUCT PACKAGING & AVAILABILITY

Part Number	Package Type	Pin Count	Lead-Free Option	Shipping Option(s)	Lead Time(wks)	Status
ZL30321GGG	LFBGA	100		Trays. Bake & Drypack	10-12 weeks	Production
ZL30321GGG	LFBGA	100		Trays. Bake & Drypack	10-12 weeks	Production
ZL30321GGG2	LFBGA	100	Pb-free-Tin/Silver/Copper	Trays. Bake & Drypack	14-16 weeks	Production
ZL30321GGG2	LFBGA	100	Pb-free-Tin/Silver/Copper	Trays. Bake & Drypack	14-16 weeks	Production
ZL30321GKG	TEBGA-2	256		Trays. Bake & Drypack	10-12 weeks	Production
ZL30321GKG	TEBGA-2	256		Trays. Bake & Drypack	10-12 weeks	Production
ZL30321GKG2	TEBGA-2	256	Pb-free-Tin/Silver/Copper	Trays. Bake & Drypack	10-12 weeks	Production
ZL30321GKG2	TEBGA-2	256	Pb-free-Tin/Silver/Copper	Trays. Bake & Drypack	10-12 weeks	Production

PACKAGING INFORMATION

- [Soldering Profiles](#)
- [Moisture Sensitivity](#)
- [Shelf Life](#)
- [Reliability Data](#)

TECHNICAL SUPPORT

Registered users [click here](#) to access the service.

Not registered? [Register online](#) today and get access to all our technical support services.

[Forgot your password?](#)

Visit the page to find distributor, representative and Zarlink sales office contact information.