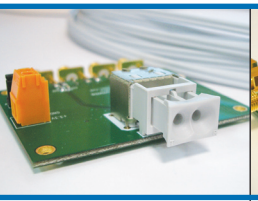
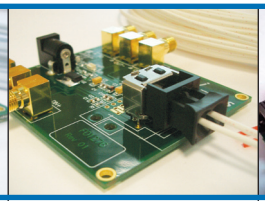
Evaluation Kits



EDK1000S-XXX

Gigabit Transceiver Evaluation Kit

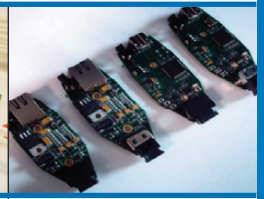
- Complete development kit for evaluation of Fiber Optic Transceivers
- Includes SMA-style connectors for connection to test and signal generator equipment
- Includes POF, design files



EDK300S-XXX

EDK300S-XXX Transceiver Evaluation Kit

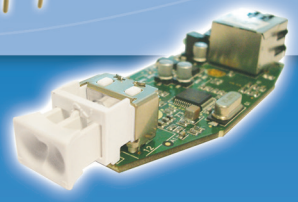
- Complete development kit for evaluation of Fiber Optic Transceivers
- Includes OptoLock® and SMA-style connectors for connection to test and signal generator equipment
- Includes POF, design files



MDK300E-XXX

Fast Ethernet Media Development Kit

- Complete reference design kit for development of Fast Ethernet Media Converters
- Converts copper Cat5 to optical
- Includes reference design for fast time to market Media Converter solutions
- Includes POF, cutter, power supply



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Product Portfolio

POF Transceivers Visible VCSELs Evaluation Kits

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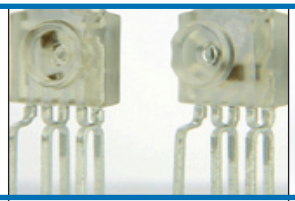
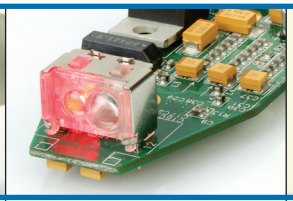
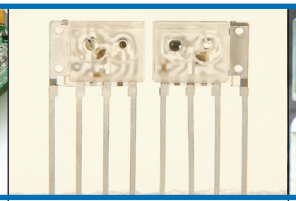
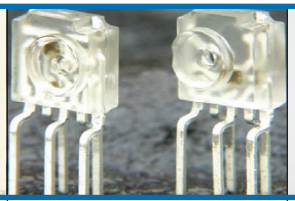
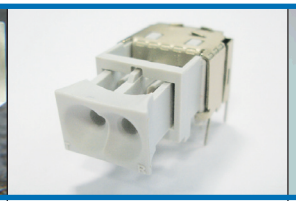
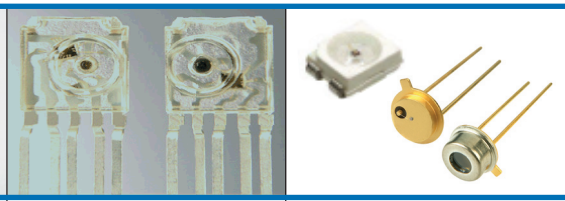
Firecomms Transceiver Products

	Ethernet	Free Space	Automotive	Industrial	High Speed	Analog	
item							
part number	**OptoLock®**	**EDL300K-120**	**RedLink™**	**FCM330K-100**	**IDL300K-120**	**EDL1000T-220** **EDL1000T-120**	**FC300K-120**	**RVM665T-100/101** **RVS665S**
description	**Plugless Transceiver for POF** **Ethernet OptoLock®** White for 1.5mm POF Black for 2.2mm POF **Industrial OptoLock®** Black for 2.2mm POF **Gigabit OptoLock®** **Analog OptoLock®**	**Fast Ethernet (100BaseFX) 125 Mbps Fiber Optic Transceiver Pair** Operating Temperature Range -20°C to +70°C Operating Voltage 3.3V ± 10% Visible Red Light 650nm Transmission Distance Up to 100m	**Free Space High-Speed 250 Mbps Transceiver Pair** Operating Temperature Range -20°C to +70°C Operating Voltage 3.3V ± 10% Visible Red Light 650nm Transmission Distance Up to 1m	**3.3V/5V MOST® 1.1 Compliant Fiber Optic Transceiver Pair** Operating Temperature Range -40°C to +95°C Operating Voltage 3.3V± 5% / 5.0V ± 5% Visible Red Light 650nm Sampling Rate 44.1 KHz & 48 KHz Optical Budget 21dB	**Industrial High-Speed 250 Mbps Industrial Fiber Optic Transceiver Pair** Operating Temperature Range -20°C to +85°C Operating Voltage 3.3V ± 10% Visible Red Light 650nm Transmission Distance Up to 50m	**Super High-Speed 1.25 Gbps (1250 Mbps) Fiber Optic Transceiver Pair** Operating Temperature Range 0°C to +50°C Operating Voltage 3.3V ± 10% Visible Red Light 650nm Transmission Distance 5 ~ 50m (fiber type dependant)	**Analog Emitter / Detector Pair** Operating Temperature Range -20°C to +70°C Operating Voltage 3.3V ± 10% Visible Red Light 650nm O/P Optical Power (0 to -10) dBm PD Sensitivity 0.3 A/W @ 660nm	**Visible VCSELs, 650nm** Operating Temperature Range 0°C to +50°C Power Consumption 15mW Threshold Current 0.6mA Single or multimode VCSELs
features	• Low cost plugless termination • Bare POF insertion technique • Compatible with 1.5 or 2.2mm diameter POF cables • Pin-to-Pin compatible with SMI connectors • RoHS compliant	• Fully integrated Tx and Rx • Visible 650nm RCLED • IEEE 802.3u compliant • Compatible with LVDS and CML Interfaces • LV-PECL Interface solution available • Lens customized for coupling into 1mm core POF • -24 dBm sensitivity • Eye safe / RoHS / CE	• Fully integrated Tx and Rx • Visible 650nm RCLED • IEEE 802.3u compliant • Compatible with LVDS and CML Interfaces • LV-PECL Interface solution available • Lens customized for short free space link	• Dual voltage transceiver • 650nm RCLED based transmitter • CMOS-based IC technology • -26dBm sensitivity • Ultra-low (10µA) current consumption in sleep mode • Excellent EMC characteristics • Lens customized for coupling into 1mm core POF	• Fully integrated Tx and Rx • Visible 650nm RCLED • LVDS interfaces • Lens customized for coupling into 1mm core POF • Eye safe / RoHS / CE	• Fully integrated Tx and Rx • Visible 665nm VCSEL • Gigabit Ethernet compliant • CML / LVDS interfaces • Lens customized for coupling into 1mm core POF	• Visible 650nm RCLED emitter • Analog photo detector • Lens customized for coupling into 1mm core POF	• Low divergence beam • Circular beam profile • Ultra-low power consumption • Stable and fixed polarization • Bandwidth > 3GHz • 0.3mW single mode output power under CW conditions • Over 250,000 hours TT1%F • Reflow solderable
applications	• Consumer electronics • Industrial networks	• Fast Ethernet over POF • IPTV distribution in a home network • Fast Ethernet in small office	• Consumer electronics • Ideal for box-to-box high-speed free space links	• MOST ® 1.1 automotive bus	• High-speed 250 Mbps data link • FPGA / ASIC driven communication systems • Industrial communication links • Medical device communication	• Gigabit Ethernet over POF • Gigabit data links in office equipment • Gigabit data links in medical devices	• Sensing for pressure, current, voltage • Proprietary transceiver designs	• Mouse sensor • Displacement sensor • Gigabit communications • Distance sensor