

Primas Computer Solutions is proud to offer the full range of ProLabs Optical Transceivers, from the 100BASE-FX up to the 10GB XENPAK. All ProLabs Optical Transceivers are standards based, comply with the MSA (Multi Source Agreement) and are guaranteed to be 100% compatible with your networking infrastructure.

## WHY USE PROLABS?

Most networking manufacturers don't make their own GBICs, SFPs and CWDMs. They buy industry standard products, re-brand them and sell at inflated prices. The only difference is the logo.

ProLabs Optical Transceivers are a compatible solution at a fraction of the cost and they do not affect any manufacturer's warranties. These high quality products are manufactured to precise OEM specifications and have a Lifetime ProLabs Replacement Warranty.

As an authorized ProLabs reseller we can offer a comprehensive range of quality products at up to 93% savings off manufacturer's list prices. Next day delivery is standard and our dedicated account management gives you experienced support and back-up.

The benefits of Optical Transceivers from Primas Computer Services include:

- **Reliable:** Limited Lifetime Advance Replacement Warranty.
- **Effective:** 100% compatibility - guaranteed.
- **Affordable:** Up to 93% off list price.
- **Capable:** Manufactured to exact OEM specifications.
- **Available:** Large stock - Guaranteed next day delivery.
- **Free:** Engineer Consultation, technical support & consultation.

## ABOUT PRIMAS COMPUTER SOLUTIONS

Primas Computer Solutions, Inc. is committed to leveraging our 18 years of experience to exceed your expectations. We continually seek products, methods, and ideas aimed at providing the highest level of service, support, and technical expertise for your business needs. Our ultimate goal is to develop mutually beneficial business relationships that help our clients grow and add value to the communities they serve.

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### KEY FACTS ABOUT OPTICAL TRANSCEIVERS

ProLabs' range of optical transceivers easily converts protocols from copper to fibre or from multimode or single-mode fibre within the same physical infrastructure.

**There are five main products within the Optical Transceiver range:**

- 1) **GBICs** - Standard transceivers, commonly used with Gigabit Ethernet and fibre channel. Also available in CWDM.
- 2) **SFPs** - Available in three different ranges using the following wavelengths 850 nm, 1310nm, 1550nm. There are also CWDM and single-optic (1310/1490nm upstream/downstream) SFPs. They are generally available with capability for data rates up to 4.25 Gbit.
- 3) **XFPs** - Transceivers with capability for data rates up to 10 Gb/sec with 300m to 80km.
- 4) **X2s** - Transceivers with capability for 10 Gb/sec data transfer within a few meters up to 40km
- 5) **Xenpaks** - Transceivers with capability for 10 Gb/sec data transfer within a few meters up to 80km.

**Within these five product ranges four main categories can be found:**

- a) **SX/SR** - Short Haul (range up to 2km)
- b) **LX/LR** - Long Haul (range up to 40km)
- c) **ZX/ER** - Extended Reach (range up to 80km in GBIC/SFP and 40km in 10 Gb/sec)
- d) **EZX/ZR** - Extended Reach + (range up to 120km GBIC/SFP and 80km in 10 Gb/sec)



ProLabs

## CISCO COMPATIBLE OPTICAL TRANSCEIVERS

### GBIC

1000BASE-T	WS-G5483-C
1000BASE-SX Short Wavelength (Multimode only)	WS-G5484-C
1000BASE-LX/LH long haul (Singlemode or Multimode)	WS-G5486-C
1000BASE-ZX extended reach (Singlemode only)	WS-G5487-C

### GBIC CWDM

Set of 4 pairs of Cisco 1000BASE-CWDM GBICs	CWDM-8GBIC-SET1-C
Set of 4 pairs of Cisco 1000BASE-CWDM GBICs	CWDM-8GBIC-SET2-C
1000BASE-ZX CWDM 1470nm GBIC	CWDM-GBIC-1470-C
1000BASE-ZX CWDM 1490nm GBIC	CWDM-GBIC-1490-C
1000BASE-ZX CWDM 1510nm GBIC	CWDM-GBIC-1510-C
1000BASE-ZX CWDM 1530nm GBIC	CWDM-GBIC-1530-C
1000BASE-ZX CWDM 1550nm GBIC	CWDM-GBIC-1550-C
1000BASE-ZX CWDM 1570nm GBIC	CWDM-GBIC-1570-C
1000BASE-ZX CWDM 1590nm GBIC	CWDM-GBIC-1590-C
1000BASE-ZX CWDM 1610nm GBIC	CWDM-GBIC-1610-C

### SFP

#### SFP allows for

GE SFP, LC connector SX transceiver	GLC-SX-MM-C
GE SFP, LC connector LX/LH transceiver	GLC-LH-SM-C
1000BASE-ZX SFP	GLC-ZX-SM-C
1000BASE-T SFP	GLC-T-C
1000BASE-BX SFP, 1490nm	GLC-BX-D-C
1000BASE-BX SFP, 1310nm	GLC-BX-U-C
100BASE-FX SFP for FE port	GLC-FE-100FX-C
100BASE-LX SFP for FE port	GLC-FE-100LX-C
100BASE-BX10-U SFP	GLC-FE-100BX-U-C
100BASE-BX10-D SFP	GLC-FE-100BX-D-C
100BASE-FX SFP port GE port	GLC-GE-100FX-C

### SFP CWDM

CWDM 1470nm SFP Gigabit	CWDM-SFP-1470-C
CWDM 1490nm SFP Gigabit	CWDM-SFP-1490-C
CWDM 1510nm SFP Gigabit	CWDM-SFP-1510-C
CWDM 1530nm SFP Gigabit	CWDM-SFP-1530-C
CWDM 1550nm SFP Gigabit	CWDM-SFP-1550-C
CWDM 1570nm SFP Gigabit	CWDM-SFP-1570-C
CWDM 1590nm SFP Gigabit	CWDM-SFP-1590-C
CWDM 1610nm SFP Gigabit	CWDM-SFP-1610-C

### X2

10GBASE-SR X2 Module	X2-10GB-SR-C
10GBASE-LR X2 Module	X2-10GB-LR-C
10GBASE-ER X2 Module	X2-10GB-ER-C

### Xenpak

10GBASE-SR XENPAK Module	XENPAK-10GB-SR-C
10GBASE-LR XENPAK Module	XENPAK-10GB-LR-C
10GBASE-ER XENPAK Module	XENPAK-10GB-ER-C
10GBASE-ZR XENPAK Module	XENPAK-10GB-ZR-C
10GBASE-LW XENPAK Module	XENPAK-10GB-LW-C

### XFP

10GBASE-LR/OC192 SR-1 XFP Module	XFP-10GLR-OC192SR-C
10GB SR XFP Compatible for Cisco	XFP-10G-MM-SR-C

## FREQUENTLY ASKED QUESTIONS

Q - What are the differences between a Cisco GBIC and a ProLabs GBIC?  
 A - The sticker! Other than the Cisco sticker a Cisco WS-G5484 is identical to a ProLabs WS-G5484-C.

Q - How does buying a ProLabs GBIC affect the warranty on the equipment it is being installed into?

A - The warranty of the equipment that the GBIC is installed into is unaffected. If the GBIC itself goes faulty then it must be returned to hardware.com. For further peace of mind, please contact your Account Director.

Q - What is the typical lead time on ProLabs products?

A - Primas ships ProLabs transceivers direct from the manufacturer. 94% of the orders can be delivered next day.

Q - Can Primas supply cables alongside optical transceivers?

A - Yes, we can supply fibre patch leads to go with the GBIC's.

Q - How quickly can I get a replacement if I have a faulty product?

A - In 99% of cases we can supply an advanced replacement next day.

Q - Why are ProLabs GBICs so much cheaper than, for example, Cisco's?

A - Because manufacturers such as Cisco make huge margins. They take manufacturers prices, add their own stickers on the product and sell them at a huge mark-up.

Q - What type of warranty do ProLabs products carry?

A - ProLabs offers a limited lifetime advance replacement warranty. If products fail you are guaranteed next day replacement.



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XENPAK SOLUTIONS  
XENPAK-10GB-SR-C - ProLabs

GBIC SOLUTIONS  
WS-G5483-C - ProLabs

