

## **Product Overview**

The WX-1000 is designed for flexible fiber optic converter and repeater.

WX-1000 has eight independent channels ( for 16 pieces SFP ) that allow a data rate of up to 2.7 Gbps. This enhance to complete any port of each channel with individually selectable fiber optic SFP modules makes it suitable for use in a wide range of applications.

With the power supply and fan redundancy, this device is also well-prepared for use in environments with demand for high reliability.



## **Features**

- Channel data rate up to 2.7 Gbps
- Fully flexible "any-to-any" color/fiber/budget choice for each port on each channel
- Multi-mode, single-mode, WDM, CWDM or DWDM for each port individually
- Fully protocol transparent
- Redundant Power Supply 100-240V AC

## **Applications**

- "Any-to-any" Fiber Optic Converter
- Color Generator for passive CWDM/DWDM Systems

Gigacom Türkiye

Sales Office

:Haluk Türksoy Arkası Sok.  
No:2 K:1 D:3 Altunizade  
Üsküdar / İstanbul TR-34662

Tel : +90(216) 474 13 14  
Fax : +90(216) 474 76 77  
E-mail : info@gigacom-tr.com  
Web : www.gigacom-tr.com

**Ordering information**

| Product Code   | Description                                   |
|----------------|---|
| <b>WX-1000</b> | <b>Main Frame ( 8 Channels / 16 pcs SFP )</b> |

| Product Code        | Description  |
|---------------------|--|
| <b>T433I17400-P</b> | SFP RJ45 ( Copper )  |
| <b>F424S17485</b>   | 1.25 Gbps SFP MM 850 nm. Power Budget = 11 dB  |
| <b>F413S17413</b>   | 1.25 Gbps SFP SM 1310 nm DFB – 40 Km. Power Budget = 22 dB                               |
| <b>F413L174XX</b>   | 1.25Gbps SFP SM 1270 ~ 1610 nm CWDM DFB - 80 Km. Power Budget = 28 dB                    |
| <b>F414I17431</b>   | 2.5 Gbps SFP SM 1310 nm FP LD Power Budget = 9 dB  |
| <b>F414S17413</b>   | 2.5 Gbps SFP SM 1310 nm DFB - 20 Km. Power Budget = 16 dB                                |
| <b>F414L17413</b>   | 2.5 Gbps SFP SM 1310 nm DFB – 50 Km. Power Budget = 26 dB                                |
| <b>F414S17415</b>   | 2.5 Gbps SFP SM 1550 nm DFB - 40 Km. Power Budget = 16 dB                                |
| <b>F414L17415</b>   | 2.5 Gbps SFP SM 1550 nm DFB - 80 Km. Power Budget = 26 dB                                |
| <b>F414S174XX</b>   | 2.5Gbps SFP SM 1270 ~ 1610 nm CWDM DFB - 40 Km. Power Budget = 18 dB                     |
| <b>F414L174XX</b>   | 2.5Gbps SFP SM 1270 ~ 1430 nm CWDM DFB - 80 Km. Power Budget = 28 dB                     |
| <b>F419L174XX</b>   | Multirate upto 2.67 Gbps SFP SM 1270 ~ 1430 nm CWDM DFB - 80 Km.<br>Power Budget = 28 dB |

**XX**

**27**=1270 nm, **29**=1290 nm, **31**=1310 nm

**33**=1330 nm, **35**=1350 nm, **37**=1370 nm

**39**=1390 nm, **41**=1410 nm, **43**=1430 nm

**45**=1450 nm, **47**=1470 nm, **49**=1490 nm

**51**=1510 nm, **53**=1530 nm, **55**=1550 nm

**57**=1570 nm, **59**=1590 nm, **61**=1610 nm

Gigacom Türkiye

Sales Office

:Haluk Türksoy Arkası Sok.  
No:2 K:1 D:3 Altunizade  
Üsküdar / İstanbul TR-34662

Tel : +90(216) 474 13 14  
Fax : +90(216) 474 76 77  
E-mail : info@gigacom-tr.com  
Web : www.gigacom-tr.com

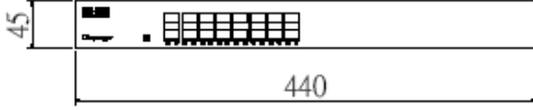
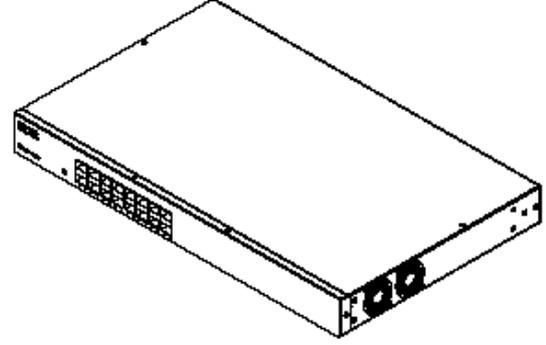
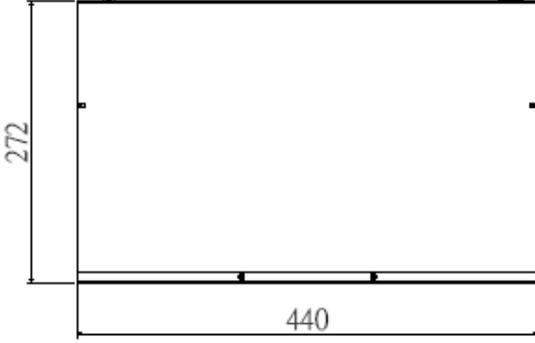
**Specification**

|                               |  |
|-------------------------------|--|
| <b>Number of Channels</b>     | 16 independent Converter/Repeater Channels   |
| <b>Fiber Optic Interfaces</b> | 2 SFP Module Slots per Channel:<br>In and Out  |
| <b>Data Rate</b>              | 9 fixed Data Rates 100Mbit/s up to 2,7 Gbps:<br>- FDDI, 100 Mbps Ethernet<br>- STM-1, STS-3<br>- ESCON<br>- STM-4, STS-12<br>- Fiber Channel<br>- Gigabit Ethernet<br>- 2G Fiber Channel<br>- STM-16, STS-48<br>- STM-16, STS-48+FEC<br>plus Transparent Mode (without 3R) |
| <b>Management</b>             | Management Interfaces:<br>1 x 10/100BaseT RJ45,  |
| <b>Power Supply</b>           | One AC Plug , 100 - 240V AC  |
| <b>Fans</b>                   | Redundant Fan  |
| <b>Mechanical</b>             | 19" 1HU, Depth 260 mm  |
| <b>Environmental</b>          | Temperature 0-40°C, Humidity max. 90%, Non-condensing  |

Gigacom Türkiye

|              |  |        |                       |
|--------------|--|--------|-----------------------|
| Sales Office | :Haluk Türksoy Arkası Sok.<br>No:2 K:1 D:3 Altunizade<br>Üsküdar / İstanbul TR-34662 | Tel    | : +90(216) 474 13 14  |
|              |  | Fax    | : +90(216) 474 76 77  |
|              |  | E-mail | : info@gigacom-tr.com |
|              |  | Web    | : www.gigacom-tr.com  |

**Dimension ( unit in : mm)**



Gigacom Türkiye

Sales Office : Haluk Türksoy Arkası Sok.  
No:2 K:1 D:3 Altunizade  
Üsküdar / İstanbul TR-34662

Tel : +90(216) 474 13 14  
Fax : +90(216) 474 76 77  
E-mail : info@gigacom-tr.com  
Web : www.gigacom-tr.com

| <b>Record of Revisions</b> |             |  |
|----------------------------|-------------|--|
| <b>Rev.</b>                | <b>Date</b> | <b>Description of Change</b>   |
| VERA                       | 2009.06.15  | WX-1000 Original Specification issued.   |
| VERB                       | 2010.01.29  | Modify the P/N of Transceiver module   |
| VERC                       | 2010.03.19  | Modify the Description   |
| VERD                       | 2010.03.31  | Power Budget added   |
| VERE                       | 2010.09.06  | Deleted :<br>Page #1 [with integrated management]<br>Page #1 [The integrated management facilitates fine-tuning of its features, performing loops and BERT testing.]<br>Page #1 [Two Ethernet and one Fiber management ports allow cascading of two or more converter units for management purposes.] Support of test loops and performing BERT tests<br>Features<br>[Digital Diagnostic Monitoring (DDM) of the SFP modules]<br>[1 Copper RJ45 for Ethernet management] |

Gigacom Türkiye

Sales Office

:Haluk Türksoy Arkası Sok.  
No:2 K:1 D:3 Altunizade  
Üsküdar / İstanbul TR-34662

Tel : +90(216) 474 13 14  
Fax : +90(216) 474 76 77  
E-mail : info@gigacom-tr.com  
Web : www.gigacom-tr.com