

2Fiber and 4Port RJ45 10M/100M Media Converter



Description:

The Media Converter (BRAUNGROUP-XTR204) series consists of a series of 10/100Base-TX to 100Base-FX Auto-negotiation mode Media Converter. User now may upgrade or extend their existing 100Base-TX or even 10Base-T network into fiber network easily.

The Media Converter (BRAUNGROUP-XTR204) series are fully compliant with IEEE802.3 Ethernet standard. The RJ45 (STP) port of TR100 support auto-negotiation functions, provide a maximum bandwidth of up to 200Mbps (100M full duplex) or up to 20Mbps (10M, full duplex) for distances of up to 2Km - when using multimode fiber cable; or up to 100km - when using single-mode fiber cable.

Installation and operation of the BRAUNGROUP-XTR204/BRAUNGROUP-XTR202 is simple and straightforward.

Specifications:

The Converter conforms to the following standards:

Standards: IEEE802.3u 10/100Base-TX and 100Base-FX

BRAUNGROUP-XTR204

Connectors (RJ45-UTP/STP and Fiber SC)

Data Transfer Mode: 100Mbps

Power Requirement: 1A@+5VDC
 Operation Temperature: -10°C to 65°C

Storage Temperature: -40°C to 80°C

Humidity: 10% to 90% no condensing

Dimensions: 160mm*92mm*27mm (L x W x H)

UTP Cable: Cat.5 cable up to 100m

Fiber Cable: 50/125,62.5/125 multi-mode;

8.3/125,8.7/125,9/125 or 10/125μ m single-mode

Model	Optical Power			Receive Sensitive		
	Min(dBm)	Type(dBm)	Max(dBm)	Min(dBm)	Type(dBm)	Max(dBm)
BRAUNGROUP-XTR204-2LD1310-20km	-14	-9				-33
BRAUNGROUP-XTR204-2LD1550-20km	-14	-10				-33
BRAUNGROUP-XTR204-LD13LD15-20km	-14	-10				-33
BRAUNGROUP-XTR204-2LD1310-40km	-9	-6				-33
BRAUNGROUP-XTR204-2LD1550-40km	-9	-6				-33
BRAUNGROUP-XTR204-LD13LD15-40km	-9	-6				-33

Production Information

1. Overview

The 10/100Base-TX Fast Ethernet Converter is fully compliant with all IEEE802.3&802.3u standards. This converter is available in some different Models:

MODEL	Connector TYPE	TYPICAL DISTANCE	Transmission SPEED	TRANSMISSION MEDIUM AND OTHERS
BRAUNGROUP-XTR204-2LD1310-20km	RJ-45-SC	0 ~ 20km	10M/100M	2Port 1310nm TX, SM, 4 Port RJ45
BRAUNGROUP-XTR204-2LD1550-20km	RJ-45-SC	0 ~ 20km	10M/100M	2Port 1550nm TX, SM, 4 Port RJ45
BRAUNGROUP-XTR204-LD13LD15-20km	RJ-45-SC	0 ~ 20km	10M/100M	1310nm, 1550nm TX, SM, 4 Port RJ45

BRAUNGROUP-XTR204

BRAUNGROUP-XTR204-2LD1310-40km	RJ-45-SC	0 ~ 40km	10M/100M	2Port 1310nm TX, SM, 4 Port RJ45
BRAUNGROUP-XTR204-2LD1550-40km	RJ-45-SC	0 ~ 40km	10M/100M	2Port 1550nm TX, SM, 4 Port RJ45
BRAUNGROUP-XTR204-LD13LD15-40km	RJ-45-SC	0 ~ 40km	10M/100M	1310nm, 1550nm TX, SM, 4 Port RJ45

7 LED display instant status monitoring for Power, FX Link, FX Activity, TX Link, TX Activity.

2. Checklist

Your BRAUNGROUP-XTR204 series carton should contain the following items:

- ★ BRAUNGROUP-XTR204-2LD1310, BRAUNGROUP-XTR204-2LD1550, or
 BRAUNGROUP-XTR204-LD13LD15,etc.
- ★ AC-DC Power Adapter
- ★ This User's Guide

Please notify your sales representative immediately if any items are missing or damaged.

3. Installation

For as a stand-alone unit:

→ Verify the AC-DC adapter conforms to your country AC power requirement and inset the power plug

→ Connect the media cable for network connection **For as**

a slide-in unit:

→ The slide in media Converter and Converter Rack Should be supplied only from the same source, Both Media Converter

→ Verter and rack are built to match each other at dimensions, DC receptance and power safety

→ Turn off the 19" converter rack power

→ Ensure that there is no activity in the network

→ Locate +5VDC power jack on converter back, carefully slide in and plug to 19" rack+5VDC power receptacle

→ Connect the media cable for network connection

→ Turn on the converter rack power, the power LED will light up

BRAUNGROUP-XTR204

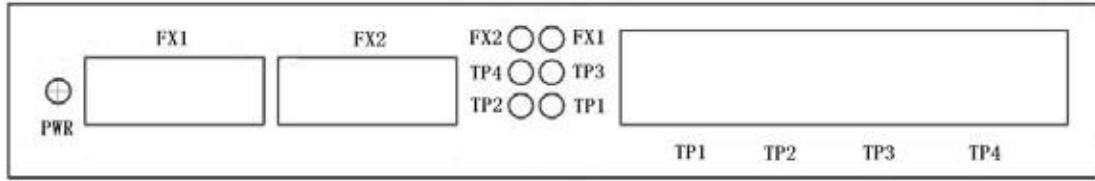


Fig.1.1 BRAUNGROUP-XTR204 Converter Front Panel



Fig.2 BRAUNGROUP-XTR204/XTR202 Converter Behind Panel

4. LED Description

LED	Color	Function
TP1	Green	Lit when TX1 connection is good Blinks when TX1 data is present
TP2	Green	Lit when TX2 connection is good Blinks when TX2 data is present
TP3	Green	Lit when TX3 connection is good Blinks when TX3 data is present
TP4	Green	Lit when TX4 connection is good Blinks when TX4 data is present
FX1	Green	Lit when fiber1 connection is good Blinks when fiber1 data is present
FX2	Green	Lit when fiber2 connection is good Blinks when fiber2 data is present
Power	Green	Lit when +5V power is coming up

5. Connecting to TP, Fiber Device

Converter TP port 10/100TX	10/100Mbps Auto-negotiation mode
Converter Fiber Port, 100FX	100Mbps with Full-duplex for 100FX fiber link mode

6. User's Notice Guide:

FCC Warning

The XTR Series Media Converter (Include BRAUNGROUP-XTR204 Series, or BRAUNGROUP-XTR202 Series) has been tested and found to comply with the limits for a Class A digital device, pursuant to Part 15 of the FCC Rules. These standards are designed to provide reasonable protection against harmful interference when these devices are operated in a commercial environment. These

BRAUNGROUP-XTR204

devices can use, generate and radiate radio frequency energy and may cause harmful interface to radio communications unless installed in accordance with this User's Guide. Operation of this device in a residential area is likely to cause harmful interface which will make the user responsible for the appropriate remedial action at his/her own expense.

CE Mark Warning

These are Class A products .In a domestic environment these products may cause radio interface in which case the user will need to consider adequate preventative measures.