

## Digital TV IP Multiplexer

---

### MX3200 series

- Digital TV IP Multiplexer
- 4 × bi-directional ASI input ports
- 2 × 100/1000M Ethernet input ports (512 IP input)
- Up to 4 × ASI + 4 × IP (MPTS) output over UDP
- Supports multiplexing one program to all outputs
- Alarming function
- Web-based NMS management



Ascent's MX3204 1RU IP Multiplexer is the high density, full featured multiplexing device with high integration functionality. The flexible multiplexer design provides flexibility for the operator to expand the network as system scales.

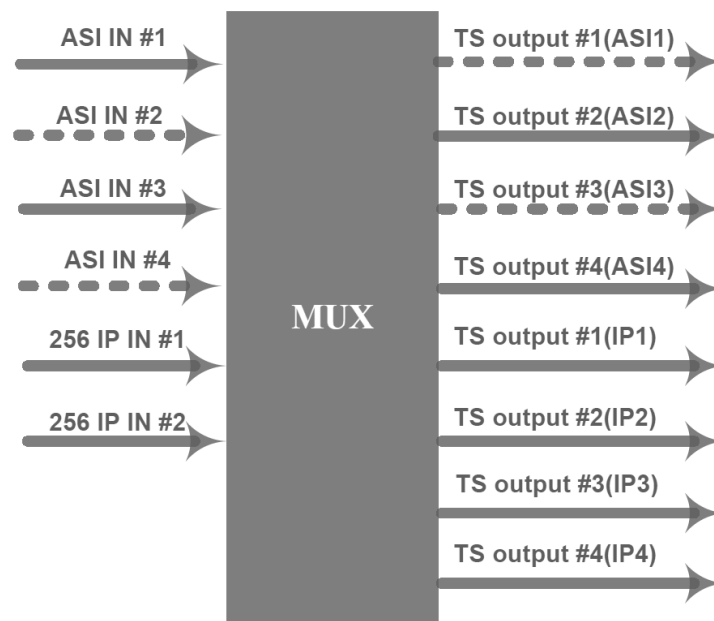
MX3204 IP multiplexing provides digital TV broadcasting head-end systems with TS output through 4 × bi-direction ASI and 2 × bi-direction IP input ports. It fits into a standard 19" rack unit, and can be deployed in a variety of digital distribution systems. It can multiplex up to 4 × ASI inputs and 512 × IP inputs into 4 × MPTS outputs, and up to 4 × ASI outputs (ASI ports can be used as either input or output).

MX3204 supports auto-generation of PSI/SI information, PID re-mapping, service filtering, and PCR adjusting functions. With its high integration, cost-effective design, and ease-of-use, it is widely used in CATV broadcasting systems.

## Key Features

- 4 × bi-direction ASI ports and 2 × 100/1000M Ethernet Port
- Supports maximum 4 ASI input and 256 × 2 IP input
- Supports accurate PCR adjusting
- Supports PID filtering, re-mapping
- Supports PSI/SI rebuilding and editing
- Supports maximum 4 × ASI output and 4 × IP(MPTS) output over UDP
- Large buffer memory for saving an overflowing code stream
- Supports multiplexing one program to all outputs
- Alarming function
- Web-based NMS management

## System Diagram



## Specifications

### MX3204 IP Multiplexer Solution – 19" 1RU

<b>Input Interface</b>	4 × ASI bi-direction, BNC 75 Ω
	512 × IP input through Ethernet Port
<b>Re-Multiplex</b>	PID re-mapping
	PCR accurate adjusting
	Automatic generating PSI/SI table
<b>Input</b>	
Packet Format	204/188 self-adaption
<b>Output</b>	
ASI	≤4 ASI, maximum output bit rate: 200 Mbps (each channel)
IP	4 MPTS over UDP output (RJ45), 100/1000 Mbps self-adaption
<b>PID</b>	
PID Transparent	Any PID transparent and mapping achievable
Amount of output PID (Per Channel)	512
<b>System</b>	Web management: 10/100M NMS port
	Language: English and Chinese
	Ethernet software upgrade
<b>General</b>	
Dimensions (W × L × H)	482 mm × 300 mm × 44 mm
Weight	3.5 kg
Operating Temperature	0 °C to +45 °C
Storage Temperature	-20 °C to +80 °C
Power Supply	AC 110 V ± 10 %, 50/60 Hz or AC 220 V ± 10 %, 50/60 Hz
Power Consumption	≤40 W

## Ordering Information

MX3204 IP Multiplexer	Description
MX-32-04-Mux-ASI-AC	MX3204 IP Multiplexer, 1RU chassis, supports 4 ASI ports, 2 GE TX port, up to 512 IP inputs to 4 MPTS, AC Power

## Contact Information

---



### Ascent Communication Technology Ltd

#### AUSTRALIA

140 William Street, Melbourne  
Victoria 3000, AUSTRALIA  
Phone: +61-3-8691 2902

#### CHINA

Unit 1933, 600 Luban Road  
200023, Shanghai CHINA  
Phone: +86-21-60232616

#### EUROPE

Pfarrer-Bensheimer-Strasse 7a  
55129 Mainz, GERMANY  
Phone: +49 (0) 6136 926 3246

#### HONG KONG SAR

Unit 9, 12<sup>th</sup> Floor, Wing Tuck Commercial Centre  
177 Wing Lok Street, Sheung Wan, HONG KONG  
Phone: +852-2851 4722

#### USA

2710 Thomes Ave  
Cheyenne, WY 82001, USA  
Phone: +1-203 816 5188

#### VIETNAM

15 /F TTC Building, Duy Tan Street  
Cau Giay Dist., Hanoi, VIETNAM  
Phone: +84 243 795 5917

**WEB:** [www.ascentcomtec.com](http://www.ascentcomtec.com)

**EMAIL:** [sales@ascentcomtec.com](mailto:sales@ascentcomtec.com)

Specifications and product availability are subject to change without notice.  
Copyright © 2016 Ascent Communication Technology Limited. All rights reserved.  
Ver. ACT\_MX3204\_IP\_MUX\_Datasheet\_V1b\_Sep\_2016