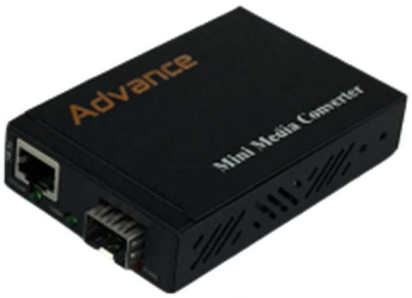
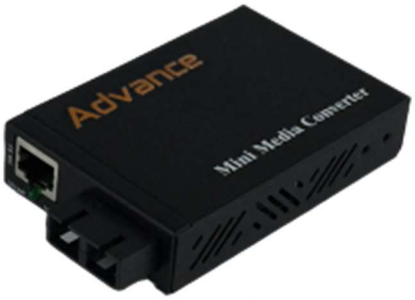
The Complete Advance Mini Fibre Media & Mode Converter Range

The Advance range of mini converters are an affordable solution for media and mode conversion requirements. Fast and simple plug-and-play installation with an extremely small footprint make the Advance mini converters perfect for many applications. Extend data networks, deploy remote wireless access points, CCTV cameras, access control systems and more with ease.

The Advance mini converter range features a unified case design, with an unrivalled footprint measuring just 6cm x 9cm. Barely 2cm thick and an unloaded weight of only 130g means the Advance mini converters can be mounted almost anywhere.

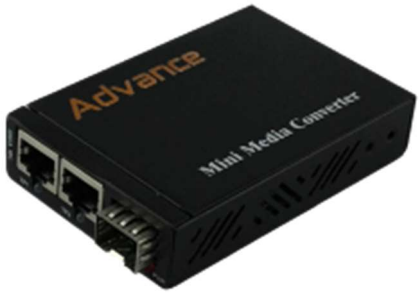
Inclusive Feature Set:





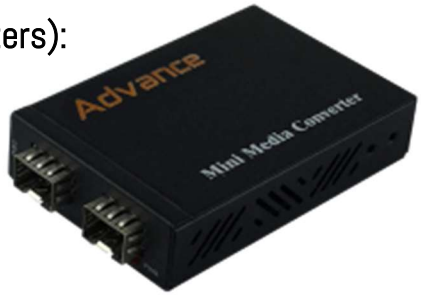
> Unmanaged converters, simple and fast to install
> Mini, standalone design with optional rack chassis
> Fixed Gigabit duplex SC ports models
> 100Mbps or Gigabit SFP models with support for all Advance SFP modules
> 5-12V DC power supply
> <3W power consumption
> Temperature range:
  Operation: 0~+50°C
  Storage: -40~+70°C
> Unified case dimensions: 60mm (W)×20mm (H)×90 mm (L)
> Limited 2 year warranty

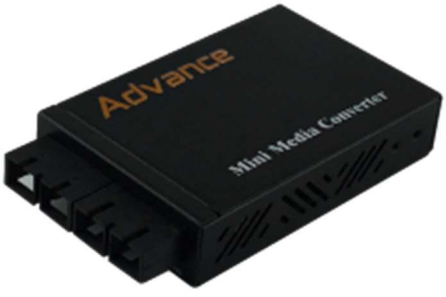
Additional Features (Media Converters):



> Single or dual 10/100/1000Mbps RJ45 data port
  *dual port available on SFP model only
> Standards compliant fibre port:
  IEEE 802.3u 100Base-FX/SX/LX
  IEEE 802.3z 1000Base-SX/LX
> Store & Forward transmission mode
> Full duplex flow control, half duplex back pressure

Additional Features (Mode Converters):





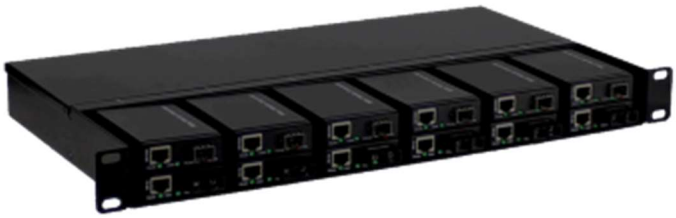
> Protocol independent, supports:
  Fast Ethernet
  Gigabit Ethernet
  OC-12
  Fibre Channel
> Cut Through transmission mode

Applications

> Convert copper RJ45 Ethernet links, from 10Mbps to Gigabit speeds over fibre optic cabling
> Support fibre optic distances up to:
  2km over multimode fibre (at any speed)
  550m over multimode fibre (at Gigabit speed)
  20km, 40km, 80km or 120km over singlemode fibre (at any speed)
> SFP models also support bi-directional and xWDM SFP modules for complex networks
> Supports all Ethernet devices, including IP CCTV cameras, access control, wireless access points
> Convert short multimode fibre links to singlemode fibre for a huge distance boost

Universal Rack Mount Chassis

> Consolidate multiple converters into a single, 19" rack mountable chassis
> Unified case design means all Advance mini converters are supported simultaneously
> Mix different types of converter, including fixed port and SFP port models in the same chassis
> Dual 240V AC power supplies for simplified power connection with a redundant backup as standard
> Support for up to 12 mini converters in a 1U chassis, even when fully loaded



Ordering Information

Advance Part Code	Description
A-MC-M-111-SFP	Mini Media Converter – 10/100/1000Mbps RJ45 to 100/1000Mbps SFP Port
A-MC-M-111-SCM	Mini Media Converter – 10/100/1000Mbps RJ45 to Gigabit 850nm Multimode 550m SC Port
A-MC-M-111-SCS	Mini Media Converter – 10/100/1000Mbps RJ45 to Gigabit 1310nm Singlemode 20km SC Port
A-MC-M-2X1-SFP	Mini Media Converter – Dual 10/100/1000Mbps RJ45 to 100/1000Mbps SFP Port
A-MC-M-110-SC-SC	Mini Mode Converter – Gigabit 850nm Multimode 550m to 1310nm Singlemode 20km SC Port
A-MC-M-110-SFP-SFP	Mini Mode Converter – 100/1000Mbps SFP Port to 100/1000Mbps SFP Port
A-MC-M-RKCHS	Mini Converter Chassis – 12 Slot, 19", 1U with Dual 240V AC Power Supplies
Compatible SFP Modules:	
NW-SFP0-00-15-X131-02	Advance 100Mbps SFP Module, Multimode, 850nm, 2km, Duplex LC
NW-SFP0-00-15-X131-10	Advance 100Mbps SFP Module, Singlemode, 1310nm, 10km, Duplex LC
NW-SFP0-01-25-X850-0-5D	Advance Gigabit SFP Module, Multimode, 850nm, 550m, Duplex LC
NW-SFP0-01-25-X131-10XD	Advance Gigabit SFP Module, Singlemode, 1310nm, 10km, Duplex LC
NW-SFP0-01-25-X131-40XD	Advance Gigabit SFP Module, Singlemode, 1310nm, 40km, Duplex LC
	Other SFP modules are available, including bi-di, xWDM and longer range. Ask for more details.

All Advance Mini Converters are certified to be compliant with:
• CE: EMC Directive 2004/108/EC • CE: LVD Directive 2006/95/EC
• FCC: 47 CFR Part 15 & ANSI C63.4 • RoHS Directive 2011/65/EU