TRANSMISSION **WITH INNOVATION**

AMG

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AMG Systems are a UK manufacturer and leading global provider of environmentally robust IP/Ethernet, Wireless and Hybrid communication transmission solutions.
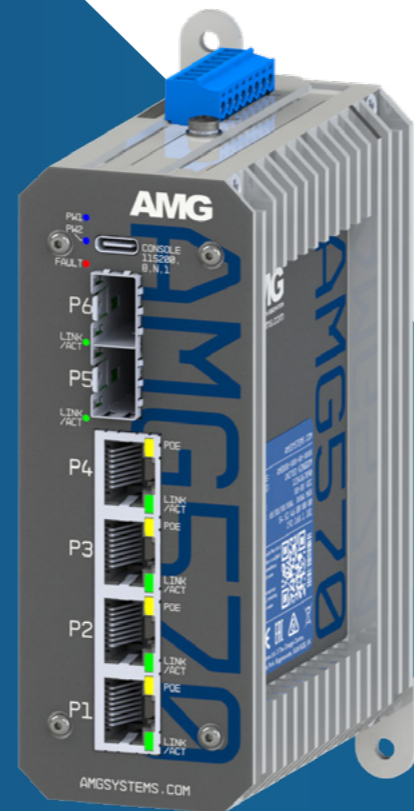
AMG

For more than 25 years, the AMG brand has been synonymous with excellence in data transmission technology.

We're market leaders in providing environmentally robust Fibre, Analogue, IP/Ethernet, Wireless & Hybrid communication transmission solutions to global industries.

We have a fantastic team of engineers, designers, and technical support staff, who work together to ensure you have the right products for your system solution. Our solutions span a wide range of industries across the globe, so whichever market you operate in, we have the experience and products for your network.

AMG570 - 4+2
Industrial Managed Switch

In-house manufacturing and software engineering. International support. Global reach.

AMG Systems have nearly three decades of experience in design and manufacturing and during that time have increased production and investment in our internal UK hardware and software engineering teams.

As we manufacture in Britain we do not have to solely rely on imports and in return, this helps us deliver solutions quicker. We also believe in supporting British companies and where possible we strive to source local materials and expertise.

AMG System Design

AMG provides a complete range of network transmission solutions. Our pre-sales system design service is free of charge, and applies to all our products, regardless of who completes the installation. Take advantage of our combined experience and expertise and get in touch to start your system design.

AMG is committed to providing efficient, manageable, scalable and cost-effective infrastructure designs. Our solutions meet our customers' capability requirements and budget, coupled with our strong project management experience and expert knowledge. AMG provides complete solutions for video and data transmission, from inception and tender specification to installation and customer acceptance testing.

We pride ourselves on our flexible style of working, our client relationship and our ability to continue to add value over the entire life cycle of any project. Whether it's budget proposals for consultants or recommendations for system integrators, our expertise has been proven time and again through some of the most prestigious projects in the world.

Professional Services

From the initial design stage through to the configuration of the network switches. AMG can provide a range of professional services to ensure a robust ethernet environment.

AMG are a solutions focused manufacturer and therefore offer a range of professional services relating to the design and configuration of Ethernet transmission systems.

Our capabilities, gained from over 25 years experience, applies to our entire range of services and processes that comprise an effective reliable IP network.

AMG provides a complete Ethernet transmission solution. From inception and tender specification to low level design and pre-staging of equipment, AMG's end-to-end design and manufacturing service goes above and beyond the competition.

AMG8870F-06-2
Outdoor wireless radio

Custom Services

Secure by Design

As a UK manufacturer, AMG have complete control of the design and build processes. Our software and hardware development teams are able to build custom products to bespoke specifications.
This makes AMG uniquely positioned to offer an end-to-end design and build service.

OEM Services

AMG have the ability to provide UK made OEM (other equipment manufacturer) products that can be re-branded with your unique identity.

The majority of AMG's standard product range can be supplied on an OEM basis.

- Customised product labelling & plain white packaging
- Re-branding of AMG graphical user interface to incorporate your company logo
- Assignment of your companies own MAC addresses

This, alongside the benefit of hardware and software being made and developed in the UK, allows AMG OEM products to be installed on high security projects where items manufactured in certain countries might be prohibited.

AMG250 2+2
Dual Channel Industrial
Media Converter

AMG is proud to be designing and manufacturing the complete solution, through their internal UK & USA hardware and software engineering teams.

Where other suppliers are known to import their products from overseas, often with critical operational software written by unknown entities, AMG is proud to be designing and manufacturing the complete solution in-house through their UK and US software engineering teams.

Choosing to install a complete AMG system for your application gives you a fully secure solution. Not just with our lifetime support warranty on hardware but also through our internally written and assured operational software, designed to be safeguarded from malicious malware intrusion and failures.
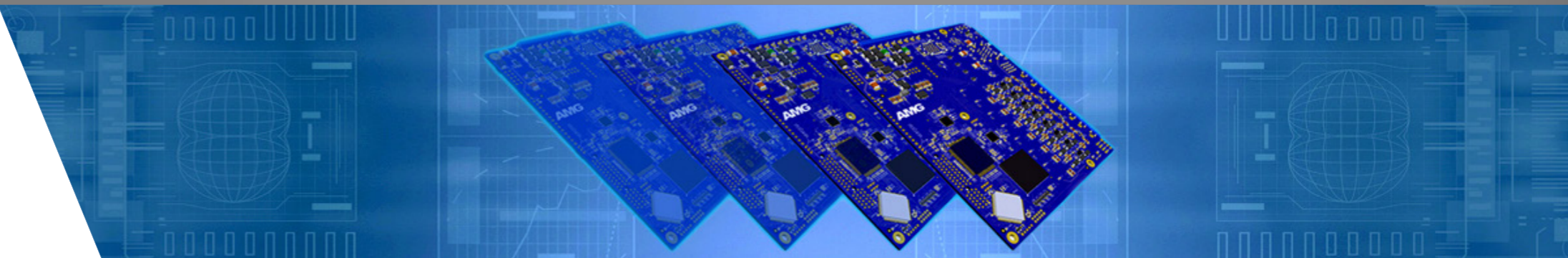
All this offers AMG customers what other manufacturers can't - complete accountability and peace of mind.

AMG570-4GBT-4G-3S-P360
8+3 Industrial Managed 90W PoE Switch

ODM Services

Some requirements cannot be met with our standard products, that's why AMG Systems can build customised products, designed specifically for your solutions. From redesigning product housing to advancing user interfaces or simply designing bespoke products, AMG's ODM (original design manufacturer) services aim to fulfil your design objectives.

AMG operate across a wide range of industries, all over the globe

We have been manufacturing products and providing solutions for these industries for nearly 30 years. These are some of the projects we are authorised to discuss. AMG are also heavily involved in other highly classified secured sites and government projects worldwide.

AMG510
Managed Switch Family

SECURITY

Designed for the global Security industry

Large area environments such as city centres, prisons, heavy plant industries and educational facilities rely on large-scale CCTV control systems. These extensive networks can comprise of hundreds of devices, all connected through a range of technologies.

AMG specialise in connecting security-related devices over Ethernet and fibre optic networks, when the monitoring of multiple buildings, perimeter boundaries, public places, and other critical areas is required.

AMG is a Juniper networks partner with the expertise to provide equipment for full Layer 2 and Layer 3 networks with the option of utilising AMG's services to manage low-level network design and commissioning of your project.

Contact our technical sales team to realise the potential of your network and discover the value of services AMG can offer.

OIL AND GAS

Solutions for the global Oil and Gas sector

Building transmission networks in adverse territories come with many challenges. Equipment needs to be built to withstand some of the most demanding environments on the planet. From the hot and dusty climates of the Middle East to the unforgiving conditions on offshore platforms, AMG Systems' products are designed to perform consistently and reliably within these environments.

AMG has been supplying transmission and networking equipment for the global oil, gas, and petrochemical industries for many years. A continuous operation is essential not only to the running and monitoring of a facility but more importantly to the safety of workers and the protection of the environment they're located in. It is vital that these systems are supported by the most robust and dependable transmission infrastructure, with resilience and reliability at the core of its design.

From video and data communications specially designed for deep-sea operations to off-shore voice evacuation, life safety, and large-scale refinery CCTV network systems, AMG has a track record of providing standard and custom-built, transmission solutions. AMG's understanding of the dynamic challenges and client needs, are key factors as to why we are the number one supplier of choice within this sector.

TRANSPORT

Secure transmissions for the Transport sector

Supply, reliability, and robust performance are typical requirements of these systems which can be complex and cover thousands of miles of infrastructure, whilst demanding decades of failure-free, around-the-clock operation.

AMG Systems have been providing large-scale transmission systems to the Transportation sector for over 25 years. Primarily for the transmission of video from CCTV, however the advent of Smart motorways has changed this. Now adding; data collation transmission, signal integration, detection, and measurement, increasing the scope considerably. AMG has developed bespoke analogue and IP/Ethernet products that integrate with new and legacy equipment, enabling multiple types of systems to share a common infrastructure without compromise. AMG's innovative Multi-Serial Ethernet Switches were created especially for the highways sector enabling hundreds of analogue cameras, IP cameras, signage, voice and data signals to share a single 130km ring of fibre.

Product performance and specification are important, but when it is not possible to access critical parts of a system, reliability is essential. This, combined with the guaranteed longevity of supply, are just two key reasons why AMG Systems are a market leader in this sector.

INFRASTRUCTURE

Solutions for Infrastructure and critical industries

Such sites include; communication networks, emergency services, energy production, financial services, food production, government facilities, healthcare, transport, water, defence, chemicals, and medicines. The compromise or loss of these essential services would be devastating for society.

Protecting the networks that control this infrastructure is paramount. These sites are often located in harsh or challenging environments, so it is vital that the equipment installed to support it can withstand a wide range of extreme temperatures, without the need for additional cooling or heating, all whilst not compromising overall system performance.

Critical infrastructure requires reliable, high-performance transmission equipment. AMG has years of experience in designing and supplying industrial transmission solutions for major projects across the globe and understands the importance of a secure transmission network.

DEFENCE

Military, Defence and Secure sites

Ranging from CCTV infrastructure for prisons and detention centres, to wireless military field-based equipment, AMG's solutions can cover the deployment of AMG products as well as designing bespoke communication systems for highly secure and remote government sites.

AMG is proud to have provided transmission systems for many of the UK's prisons and detention facilities. Some of these have included:

• HMP Belmarsh
• HMP Nottingham
• HMP Shrewsbury
• HMP Littlehey
• HMP New Jurby, Isle of Man
• HMP Doncaster
• HMP Altcourse, Fazakerley
• HMP Hemel Hempstead
• HMP Cookhamwood
• HMP Parc
• HMYOI Swinfen Hall
• Al Wathba Prison - Abu Dhabi
• New Delhi Police

WHY AMG?

AMG250 R Series
Industrial Media Converters

Manufactured in the UK

We design and manufacture our hardware and software through our in-house production teams.
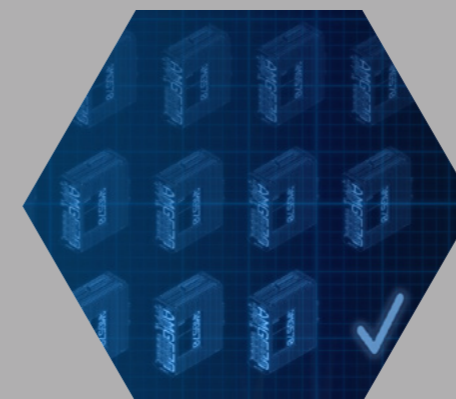
Design, Build and Support

Our UK technical team are here to support you all the way, from inception to installation.

25 Years Industry Experience

Spanning a range of industries our wide skill-set comes with proven global success.

Industry Leading Warranties

We offer the complete solution with lifetime support warranties across our industrial range.

Explore our products

Media Converters

AMG's Media Converters provide 100Mb, 1Gb or 10Gb Ethernet uplinks over fibre via the SFP port(s) with optional 30W or 60/90W PoE. Available in single, dual & quad channel models in both commercial and industrial types,   AMG have a media converter for every application.

COAX/UTP Ethernet Extenders

AMG's Coax/UTP Ethernet Extender range provides equipment to extend Ethernet and PoE over long distances of copper cable. Multiple different technologies are available, with transmission distances up to 3Km possible. AMG have a product to achieve almost any long distance Ethernet extension requirement.

Unmanaged Switches

AMG's Unmanaged Switches support 100Mb & 1Gb Ethernet in multiple combinations of RJ45 & SFP ports with many models supporting optional 30W or 60/90W PoE. Available in DIN rail & rack card types with port counts from 4-10 ports.
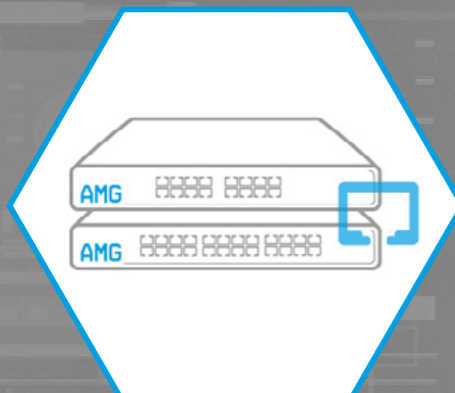
Wireless Ethernet

AMG's Wireless Ethernet range provides secure & reliable transmission over the 5GHz wireless band. User-configurable for Point-to-Point (PtP) or Point-to-Multipoint (PtMP) topologies with transmission speeds of up to 870Mbps supported. Models are available with integrated or external antennas.
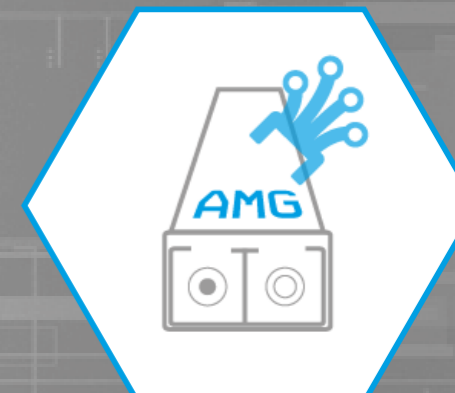
Managed Switches

AMG's Managed Switches support 100Mb, 1Gb & 10Gb Ethernet in multiple combinations of RJ45 & SFP/SFP+ ports with many models supporting optional 30W or 60/90W PoE. Available in commercial and industrial types with port counts from 4-52 ports.

SFP Modules

AMG's optical & copper transceivers are compliant with the Small Form-Factor Pluggable (SFP) Multi-Source Agreement (MSA) standards. They offer previously unavailable system cost, upgrade, and reliability benefits by virtue of being hot-pluggable. All AMG SFP modules feature Digital Diagnostic Monitoring (DDM) as standard.
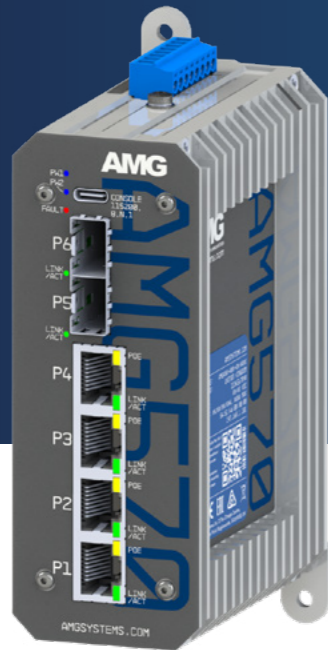
Lifetime warranty

AMGs foundations are built on the quality of our products and by supporting customers systems no matter how long they have been installed.
In May 2020 AMG introduced the industry leading lifetime support warranty for our range of industrial grade products.
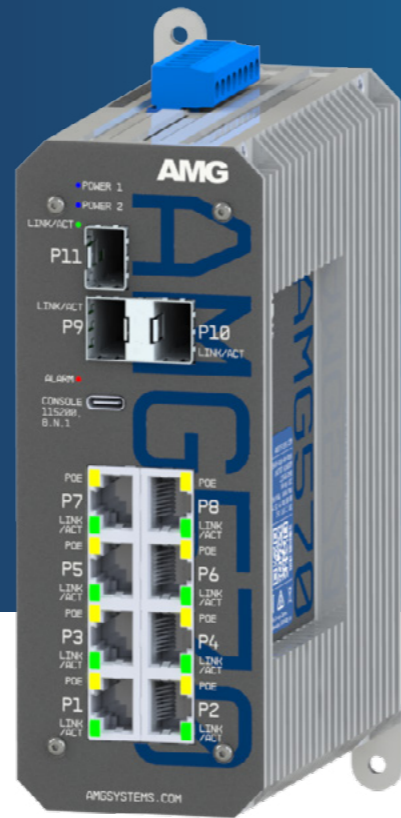
But what does lifetime support warranty mean in the simplest terms? AMG will provide warranty service for industrial products purchased after May 2020 for the life cycle of the product plus 5 years after the date of discontinuation. AMG will also support a system of any age with free estimates of repair costs for out of warranty products, along with our technical teams enthusiasm to answer any support questions.

AMG9HMEC
Industrial Mini Media Converter

AMG570 4+2
Industrial Managed PoE Switch

AMG570 8+3
Industrial Managed PoE Switch

AMG Training

Our training courses aim to support our customers in designing and implementing a quality, cost effective and scalable transmissions solution. AMG offer a comprehensive range of bespoke courses in product, technology and system design as well as standard training packages.

Anyone that has bought AMG products, is working on projects where AMG are being considered or would simply like to explore available technologies and system design options are encouraged to utilise AMG's wide range of training options to match their specific requirements.

Being experts in our field, AMG takes pride in being able to share our knowledge and education with our clients, system integrators, consultants and partners at no additional costs.

Bespoke courses can include any AMG related technology, design, product selection and requirements. We'd be delighted to discuss your precise needs and expectations, and create courses to meet your team's aims and objectives.

Standards we are proud to adhere to.

As a global leader in Ethernet and Fibre Optic transmission solutions, AMG Systems operates to the highest design, manufacturing, and service delivery standards.

AMG are an ISO 9001 accredited company so you can be assured of our ongoing commitment to service and quality.

AMGPSU-I48-P120
Power Supply

AMG 210M Series
Media Converters

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AMG

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AMG

Designed and manufactured
in the U.K.