

Press release
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Icomera Unveils the X7 Mobile Connectivity & Applications Router

Supercharged 5G Connectivity for Onboard Systems and Passengers

Icomera's new X7 router is a gateway to a powerful centralised connectivity platform, supporting multiple, resource-intensive applications including Passenger Wi-Fi, Onboard Infotainment, and Digital Video Surveillance & Analytics. A wholly owned subsidiary of Equans, global leader in the energy and services industry, Icomera is the leading provider of integrated connectivity solutions for public transport and contributes to a low carbon and resilient world by making public transport more attractive.

"Nowadays, a plethora of onboard systems installed on vehicles require ubiquitous, reliable connectivity", explains Roger Matthews, Icomera's Chief Commercial Officer. "The X7 delivers exceptional speed, storage and performance for both operational and passenger-focused services, ushering in a new era of cutting-edge connected applications."

The X7 utilises [SureWAN™](#), Icomera's industry-leading connectivity technology protocol for intelligently aggregating multiple communication technologies (5G, 4G, satellite, trackside networks etc.) in parallel, to ensure the fastest, most reliable connection available to a moving vehicle. Network traffic can be monitored and managed using [IcoShape](#), Icomera's data traffic shaping tool, empowering transport operators to make best use of all available Internet bandwidth and control their data costs.

"One or multiple X7 units can be installed on a single vehicle or train consist", adds Mats Karlsson, Icomera's Chief Technology Officer and Co-founder. "By distributing network traffic between two routers, load balancing helps ensure optimised performance, while redundancy adds further resiliency to an onboard connectivity solution."

The X7 router will be available in various models at launch, each optimised to meet specific business requirements:

- For [digital video surveillance](#) deployments, in addition to providing real-time data offload, the X7 can be configured with up to two externally accessible SSDs. This is useful when the physical storage and/or removal of video surveillance footage is a requirement, and reduces the need for an external Network Attached Storage (NAS) device. In many cases, the 32TB (2 x 16TB) SSDs allow transport operators to store up to a month's worth of video footage.
- Some X7 models contain up to two built-in dual band Wi-Fi 6 cards, each capable of operating as an access point to provide high-quality passenger Wi-Fi.
- The X7 contains up to five 5G modems for industry-leading connectivity.

Details of the X7 follow Icomera's announcement of the world's first Wi-Fi 7 access point purpose-built for public transportation - [the Icomera A2](#). By leveraging the increased throughput and reduced latency that Wi-Fi 7 offers, the new access point will facilitate faster and more reliable web browsing, streaming, downloads, and video conferencing for passengers, allowing them to stay connected more effortlessly while they travel.

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About Icomera

Icomera is the world's leading provider of integrated connectivity solutions for trains, trams, buses and coaches, serving millions of passengers and tens of thousands of onboard systems on a daily basis. We deliver the fastest, most reliable and secure Internet connection available to a moving vehicle, supporting a wide range of digital applications which increase passenger satisfaction, enhance operational efficiency, and improve safety and security. Our solutions make transport more attractive for passengers and part of a smarter, safer, greener future for everyone, accelerating the transition towards a carbon-neutral world.

A wholly owned subsidiary of Equans, Icomera is headquartered in Gothenburg, Sweden, with main offices in the United Kingdom, France, Germany, Italy, the United States, and Canada.

Find out more at icomera.com

About Equans and Equans France

Rooted in a history that goes back more than a century, Equans is the new global leader in the energy and services industry. In France, particularly through Ineo, Axima and Bouygues Energies & Services, it has a high territorial density synonymous with proximity. Its 35,000 employees in France support their customers in improving and optimizing their equipment, systems and technical processes so as to meet the challenges of a triple transition, energy, industrial and digital. Equans provides a high level of expertise and technology with the ambition of making a significant contribution to a low carbon and resilient world. Electrical engineering, HVAC, refrigeration, fire safety, Facility Management, IT and telecommunications, digital solutions: Equans' complementary expertise is deployed in France through a unique combination of multi-technical skills for design, construction and installation projects as well as for operation and maintenance services.

Operating in 20 countries, with 90,000 employees working on 5 continents and an annual turnover of more than €17 billion*, the Equans Group connects, powers and protects energy and data to territories, cities, buildings, factories and infrastructures. Following a similar dynamic, its subsidiary Equans France achieved a turnover of over 6* billion euros in 2022 and operates in nearly 30 different countries.

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* Bouygues Energies & Services + Equans combined figure, proforma unaudited 2022 data

** Bouygues Energies & Services + Equans combined figure for France, proforma unaudited 2022 data



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Image: The Icomera X7 ([View Full Resolution](#))