



26 LOW-FLOOR TRAMS

Avenio GTA8 Nuremberg, Germany

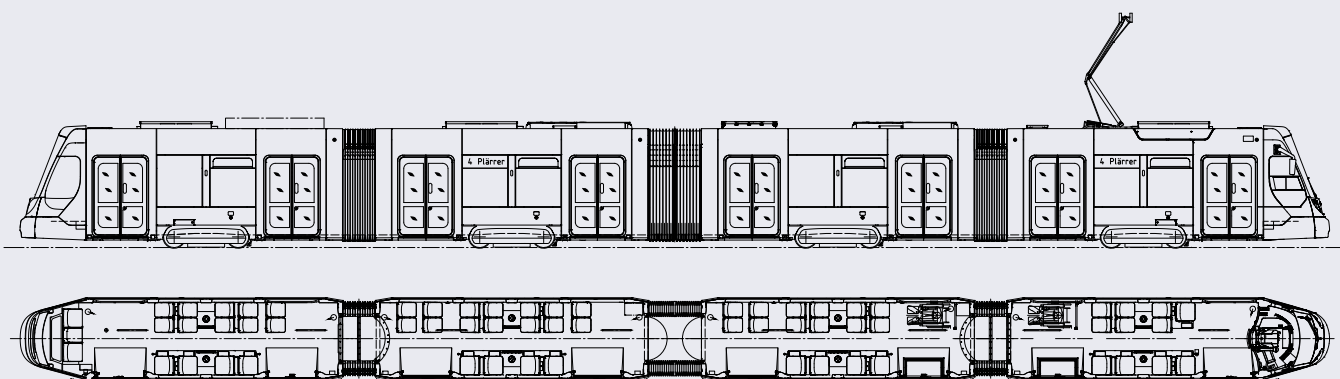
Siemens Mobility is one of the world's leading suppliers of integrated mobility solutions for urban areas and of vehicles for local, regional, and main-line transportation.

The VAG Verkehrs-Aktiengesellschaft Nuremberg ordered 26 four-car trams of the Avenio type from Siemens Mobility. The contract includes options for up to 87 additional vehicles. These new low-floor streetcars are intended to strengthen VAG's service offering and for potential new lines. The Avenios have been beautifying Nuremberg's cityscape since 2023.

The four-car Avenio streetcars will successively take up passenger service on the Nuremberg tramway network, which has seven lines and covers an operating length of approximately 38 km.

Technical data

Vehicle type/ platform	GTA8/100% low-floor single-articulated tram vehicle Avenio
Configuration	4-car tram for unidirectional operation
Wheel arrangement	2' Bo' Bo' Bo'
Car body material	Steel
Length	36,850 mm
Width	2,300 mm
Entrance height/floor height	300 mm above bogies
Motor power rating	6 x 100 kW
Power supply	DC 600 V/750 V
Maximum speed	70 km/h
Track gauge	1,435 mm
Capacity (4 pers./m ²)	218 including 62 seats
Tare weight	approximately 45 t



Technical features/highlights

- A high-performance air conditioning system and an innovative LED ceiling light design enhance the passenger experience.
- Modern energy-saving LCD passenger information screens and Internet provided via WLAN allow passengers to access up-to-date information and USB charging sockets complete the picture.
- With its three powered bogies, the Avenio Nuremberg has excellent traction and high acceleration values for VAG's demanding and sometimes "mountainous" route profile.
- The unique VAG seat design and the extra-wide seats increase passenger comfort.
- The interior and exterior design reflect the new VAG corporate design in a multitude of details, combining the company's modernization strategy with a sense of home and tradition.
- Intensive coordination with disabled rights organizations took place during the design phase. This made it possible to achieve the greatest possible usability of the tram for passengers with reduced mobility.
- Improved running characteristics and low wheel-rail wear thanks to longitudinally installed drives in the bogies with mechanical coupling of the wheels in the longitudinal direction, small unsprung masses, and proven bogie connection to the car body
- Compliant with the latest security standards (including IT security, fire protection).
- Electro-dynamic brakes provide smooth and comfortable stopping to standstill.



Spacious boarding areas improve the passenger flow.



Multifunctional areas ensure optimal demand-oriented use of space.



The bright, multifunctional interior design and the unique seat design guarantee a pleasant ride.

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 Otto-Hahn-Ring 6
 81739 Munich
 Germany
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 contact.mobility@siemens.com
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