



STANDARDIZED REGIONAL TRAIN

Mireo Smart – focused on efficiency

The world of mobility is changing. Transportation operators have to respond to market requirements more and more rapidly. What can you do to expand your fleet and quickly cover capacity requirements? The answer lies in Mireo Smart®. It is entirely focused on efficiency. That means Mireo Smart is the train for everyone seeking to provide an agile response to the requirements of regional and commuter transport – thanks to an extra measure of response speed, reliability, economic efficiency, and service.

Mireo Smart is available as a combinable 2- and 3-car regional train in versions powered by electricity, battery, or hydrogen.

[siemens.com/mobility](https://www.siemens.com/mobility)

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Response speed: Get a head start while others are still waiting

Get a big competitive edge as a transportation operator: Mireo Smart requires no more than 18 months from the time you place your order to the start of operations. The sale is based on a data sheet and fixed conditions. Mireo Smart is optimally equipped, which makes the ordering process much easier.

Reliability: Start rolling while others are still testing

Thanks to the service-proven components and systems in the Mireo family, Mireo Smart not only gets on the rails faster but is also extremely reliable. Its dependability is also ensured by a high degree of standardization. Naturally, each Mireo Smart is fully tested before delivery.

Economic efficiency: Move forward while others are still calculating

Mireo Smart particularly excels in the area of economic efficiency. It's available at an attractive price and represents a sensible alternative to refurbishment.

Service: Start performing while others are still planning

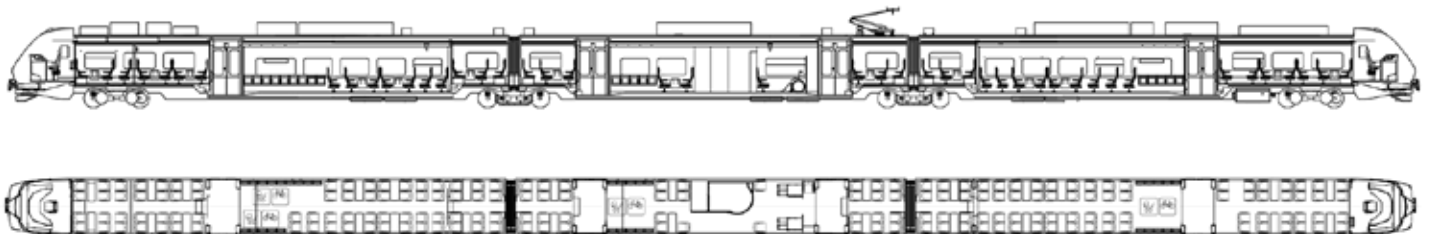
To make your operations as profitable as possible, we can include a spare parts and maintenance package with Mireo Smart. You can sign a service agreement at the time of purchase.



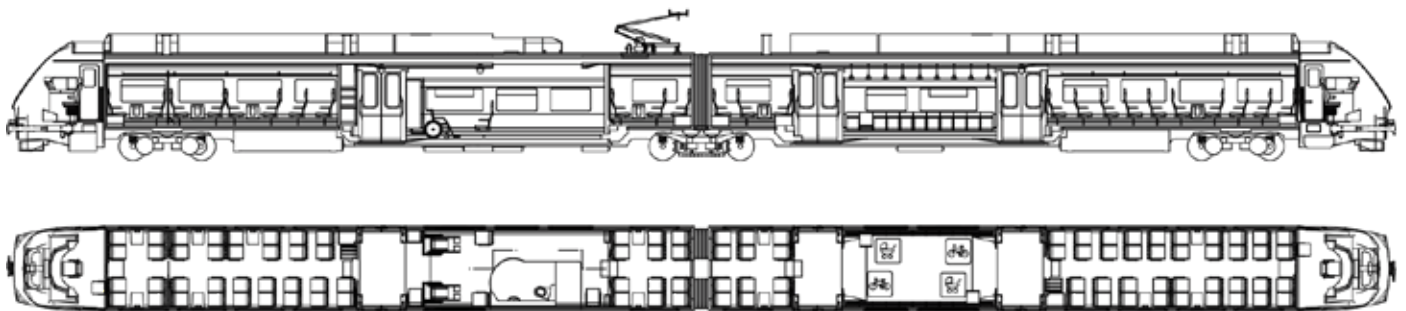
You can also lease Mireo Smart
through our subsidiary Smart Train Lease.
For more information, visit
www.smart-train-lease.com/en/



Mireo Smart



Mireo Smart Plus B



Mireo Smart Plus H



All vehicles are equipped with:

- Com@RL secure train-to-ground communication via the Siemens IT infrastructure
- Air-conditioning according to DIN EN 14750/1, climate zone II (CO₂-controlled)
- Onboard Internet, passenger information systems, and security monitoring systems (CCTV)
- High frequency-permeable windows for better cellular reception
- FIS monitors (large TFT monitors in boarding area)



Technical data	Mireo Smart 3-car EMU	Mireo Smart Plus B 2-car BEMU	Mireo Smart Plus H 2-car HEMU
Wheelset arrangement	Bo' 2'2' Bo'	Bo' 2' Bo'	Bo' 2' Bo'
Track gauge	1,435 mm	1,435 mm	1,435 mm
Length	69,860 mm	46,560 mm	46,560 mm
Driving power	2,600 kW	1,700 kW	1,700 kW
Starting acceleration	Up to 1.2 m/s ²	Up to 1.1 m/s ²	Up to 1.1 m/s ²
Power supply	15 kV AC / 16.67 Hz	15 kV AC / 16.67 Hz	Fuel cell
Collision compliance	TSI and EN 15227-compliant	TSI and EN 15227-compliant	TSI and EN 15227-compliant
Fire protection	According to EN 45545 and TSI-SRT (Cat. A)	According to EN 45545 and TSI-SRT (Cat. A)	According to EN 45545 and TSI-SRT (Cat. A)
Maximum speed	160 km/h	140 km/h	140 km/h
External power supply	Unbalanced 3-phase 400 V / 50 Hz	Unbalanced 3-phase 400 V / 50 Hz plus 1000 / 1500 V / 50 Hz external power supply (UIC 552) for charging the battery	Unbalanced 3-phase 400 V / 50 Hz
Train protection PZB, ETCS	yes	yes	yes
Multiple traction mode	Up to 4 units	Up to 3 units	Up to 3 units

Equipment

Step-in height	610 mm or 800 mm	610 mm or 800 mm	610 mm or 800 mm
Entry areas per train on each side (each 1,300 mm)	4	3	3
Driver's cab doors on both sides of each cab	yes	yes	yes
Sliding steps (per train on each side)	4	3	3
Capacity (seats)	214	122	120
(no. of these seats in 1st class)	12	8	0
Bicycle spaces	21	12	12
Wheelchair spaces	2	2	2
No. of universal restrooms (acc. to TSI-PRM)	1	1	1

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