Localisation System
Columbus

ⓘ Key facts

Localisation system	Absolute position and orientation
Modular design	GNSS
	IMU
	Wheel encoder input
	Motor encoder input
Robustness	Industrial components for harsh environments
Time synchronisation	NTP time server with battery backup
	3x RS232 + PPS
Interfaces	CAN
	100 Mbit Ethernet
	USB

⏲ Performance

GNSS services	GPS L1C/A, L2C
	GLONASS L10F, L20F
	Galileo E1-B/C, E5b
	BeiDou B1I, B2I
Accuracy	Position: < 0.01 m CEP
	Orientation: < 0.5 °
	Velocity: < 0.05 m/s
Sensitivity	-167 dbm
Acquisition and init. time	< 1 min
Output frequency	1 Hz to 100 Hz
Temperature range	-25 °C to 85 °C
Input voltage	6 V to 30 V

STREETSCOOTER