

## TANGO Controllers

The Models of the TANGO Product Family in Direct Comparison.

TANGO Desktop



TANGO PCI-E



TANGO 3 mini



TANGO integrale



### Specifications

	TANGO Desktop	TANGO PCI-E	TANGO 3 mini	TANGO integrale
Axes	1–4	1–4	3	2
Auxiliary axes	up to 3	–	–	–
Phase current, max.	1.25 / 2.5 / 3.75 A	1.25 / 2.5 / 3.75 A	1.25 A	1.0 A
Dimensions	238 × 103.5 × 160 mm <sup>1</sup>	167.6 × 106.7 mm <sup>2</sup>	190 × 30.5 × 67 mm <sup>3</sup>	98 × 28 × 7.5 mm
Weight	2.5 kg	0.2 kg	0.5 kg	0.1 kg
Supply voltage	24 / 48 V	12 V / 48 V	24 V	24 V
Power supply	internal / external	PC / external	external	external

### Communication

	TANGO Desktop	TANGO PCI-E	TANGO 3 mini	TANGO integrale
USB	•	–	•	◦ <sup>4</sup>
RS-232	•	◦	• <sup>5</sup>	•
CAN	◦	◦	◦	◦
AUX	◦ <sup>6</sup>	◦ <sup>6</sup>	• <sup>7</sup>	–
LED 100	◦	◦	◦ <sup>8</sup>	–
HDI	analog	analog	digital	digital

### Functions

	TANGO Desktop	TANGO PCI-E	TANGO 3 mini	TANGO integrale
Encoder interface	◦ <sup>9</sup> nanoScale/1Vss/RS422	◦ <sup>9</sup> nanoScale/1Vss/RS422	◦ nanoScale/1Vss/RS422	• nanoScale/1Vss <sup>10</sup>
Power stage enable	•	•	•	•
Snapshot/trigger	◦	◦	◦	◦
Motor brake	◦	◦	•	–
Additional in-/outputs (optional)	I/O 2 module for 5V/24V in-/outputs	I/O 2 module for 5V/24V in-/outputs	–	–
Area of application	table workplace	customer/system PC	complete system with low construction space	Märzhäuser positioning systems

- available
- optionally available
- not available

- <sup>1</sup> without cable/plugs
- <sup>2</sup> without slot bracket/plugs
- <sup>3</sup> inkl. mounting plate

- <sup>4</sup> breakout box BOB1 needed
- <sup>5</sup> adapter cable needed

- <sup>6</sup> AUX I/O
- <sup>7</sup> AUX mini
- <sup>8</sup> adapter needed

- <sup>9</sup> max. 3 axes
- <sup>10</sup> 1Vss on request