

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 ¹ | 167.6 × 106.7 mm ² | 190 × 30.5 × 67 mm ³ | 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 | • | – | • | ◦ ⁴ |
| RS-232 | • | ◦ | • ⁵ | • |
| CAN | ◦ | ◦ | ◦ | ◦ |
| AUX | ◦ ⁶ | ◦ ⁶ | • ⁷ | – |
| LED 100 | ◦ | ◦ | ◦ ⁸ | – |
| HDI | analog | analog | digital | digital |

Functions

| | TANGO Desktop | TANGO PCI-E | TANGO 3 mini | TANGO integrale |
|-----------------------------------|--|--|---|-----------------------------------|
| Encoder interface | ◦ ⁹ nanoScale/1Vss/RS422 | ◦ ⁹ nanoScale/1Vss/RS422 | ◦ nanoScale/1Vss/RS422 | • nanoScale/1Vss ¹⁰ |
| 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

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

- ⁴ breakout box BOB1 needed
- ⁵ adapter cable needed

- ⁶ AUX I/O
- ⁷ AUX mini
- ⁸ adapter needed

- ⁹ max. 3 axes
- ¹⁰ 1Vss on request