Neets Control –
TanGo

The Neets Control – TanGo is one of Neets' touch controllers, together with the LiMa and AlFa II.

These controllers enable touch control GUIs on touch panels or standard browsers. The major differences between the Neets rack controllers are the number of ports and the way they are powered.

The TanGo, with its many ports, is well-suited for more complex equipment setups.

FEATURES

Connects with different types of devices
Controls devices with RS-232, IR, I/O and LAN ports

Enables a GUI control interface on touch panels
Control interface is configured with our custom software Neets Project Designer

Fast Configuration
Configuration with Neets Project Designer, uploaded through the conveniently located USB port at the front, which is also used to perform service and maintenance

Flexible mounting options
Place free-standing on a surface, mount with the included self-tapping screws or in a standard rack

PoE powered
Power the TanGo and the Touch Panel with a compliant PoE power supply or switch

3 Bi-Direction RS-232 or IR ports
Connect to projectors, displays, amplifiers and other devices with feedback functionality

8 General Purpose I/O ports
Used for input/output control of relays, switches and sensors

4 Built-in low-voltage relays
Used for controlling external devices such as as electrical screens

1 NEB port (Neets Expansion Bus)
Add up to 5 additional devices (choose between Keypad, Level Control or Port Expansion)

Possibility for email notifications & warnings
Get notifications on lamp/filter hours and warnings

Included
Configuration through our free and no-license software Neets Project Designer

TECHNICAL SPECIFICATIONS

RS-232 / IR port
Ports: 3 x bidirectional, 2 x unidirectional
Baud rate:1200 - 115200 bit/sec
Data bits: 7,8
Parity: Even, Odd, None
Stop bits: 1, 2
IR frequency: 400Hz to 500Hz
Connector: 3 pin screw block

IR learn
IR learn frequency: 1KHz to 150KHz

Input / Output
Ports: 8 x I/0
Input trigger low: < 1VDC
Input trigger high: < 4VDC
Output type: Open drain
Isolated output: No
Max voltage load: 24 VDC
Max current: 0,5 A
Connector: 4 pin screw block

Relay output
Voltage max 30 VDC
Current max 0,5 A
Connector 2 pin screw block

Network (LAN)
Speed: 10 / 100 Mbit
Duplex modes: Half or Full
DHCP: Default off
Default IP: 192.168.254.252
Default gateway: 192.168.1.1
Default subnet mask:
255.255.255.00

PoE input
Compliance: 802.3af / 802.3at
802.3af PD mode: A + B
PD Class: 0 (802.3af) / 4 (802.3at)

PoE output
Compliance: 802.3at
Max power output: 12W @ 15W input
PSE output mode: Mode B(pin 4/5 + 7/8)

General
Width: 220 mm /8,66 inches
Height: 35 mm / 1,38 inches
Depth: 70 mm / 1,46 inches
Weight: 0,5 kg
Shipping weight: 1,0 kg
Shipping dimension (W/D/H):
280 mm/190mm/55 mm

Storage temperature:
-20 ℃ to 50 ℃
Storage moisture:
Non-condensing
Operation temperature:
0 ℃ to 30 ℃
Operation moisture:
Non-condensing

Product number: 310-0305

Approvals
IEC/EN 61000-6-1
IEC/EN 61000-6-2
FCC Part 15, Class A
CE

Included in box
Neets Control - TanGo
11 Terminal connectors
2 Screws and plugs for wall mounting (04x60mm)
2 x Screws for mounting on the Neets Rack Shelf (M4x35mm)
Installation Manual