

# Transduction

Intel 11th Gen. 4-Core Processor

TR-5199F Optimized for Windows 10 & 11 O/S

TR-5199F Fanless Industrial PC w/ 19" LCD Display



Panel Mount



Rack Mount

## Features

- Computing power with Intel 11th generation 4-core Pentium N6415 processor.
- No processor fan - Internal heatsinks with air convection chimney have been used to remove heat from the processor and the chipset.
- Intel Elkhart Lake chipset.
- 19" TFT LCD touch screen with resolution 1280 x 1024.
- DVI and HDMI connectors for external monitor with independent (extended desktop) 4K display capability.
- Panel mount (PM) enclosure with NEMA 4 baked epoxy finish and neoprene gasket.
- 2 x DDR4 SO-DIMM 3200 MHz DIMM sockets, supports up to 32GB non-ECC memory.
- High speed, high temperature MLC or SLC SATA III SSD drive up to 512GB.
- System reset programmable watchdog timer, 1-255sec.
- 2 x I211-AT LAN ports.
- 4 x USB2.0, 2 x USB3.1 ports, 2 x serial RS232 ports and 1 x RS/232/422/485 port.
- Optional time sync IRIG A/B BNC port.
- Optional up to 4 isolated RS232 or RS422/485 serial ports.
- Optional Armour Touch glass screen.
- Optional Fieldbus, Profibus and DeviceNet ports.
- Rectangular panel cut-out - easy mount clips, replaces Allen-Bradley PC.
- MTBF>100,000 hours, limited by LCD backlight.
- 5 year warranty.

TRANSDUCTION 5155 Spectrum Way, Bldg 23, Mississauga, ON L4W 5A1  
1.800.268.0427 905.625.1907 Fax: 905.625.0531  
www.transduction.com Email: sales@transduction.com

### TR-5199F Optimized for Windows 10 & 11 O/S

TR-5199F Fanless Industrial PC w/ 19" LCD Display

#### Specification

##### Model

- TR-5199F NEMA 4 industrial panel or rack mount fanless computer with 19" LCD touch screen

##### Processor

- 11th generation Intel Pentium N6415 4-core, burst 3.0GHz

##### Chipset

- Intel Elkhart Lake with enhanced graphics

##### BIOS

- AMI BIOS, ACPI supported

##### TFT LCD Display

- Resolution - 1280 x 1024 (SXGA)
- Backlight MTBF - 50,000 hours
- Contrast Ratio - 750:1
- Brightness - 300cd/m<sup>2</sup>
- Resistive touch screen

##### Memory

- DDR4 SO-DIMM up to 32GB non-ECC

##### Ethernet

- 2 x I211-AT Gigabit LAN

##### Display

- Intel HD Graphics Engine, external 4K on DVI & HDMI connectors for external monitor with independent (extended desktop) display capability

##### Disk I/O

- 2.5" SATA high speed MLC or SLC industrial SSD up to 512GB
- External SLIM CD-R/W-DVD USB drive is included

##### Audio

- Realtek ALC888 high definition

##### I/O Ports

- 2 x external RS-232 serial port and 1 x RS-232/422/485 serial port
- 4 x USB 2.0 ports and 2 x USB3.1 ports
- 2 x LAN ports
- 1 x audio (Mic-in & Line-out)

##### Watch-Dog Timer

- System reset programmable watchdog timer with 1 ~ 255sec time-out value

##### Operating Temperature

- 0 ~ 50°C (32 ~ 122°F)
- 0 ~ 60°C (32 ~ 140°F) for 2 hours

##### Storage Temperature

- -20 ~ 85°C (-4 ~ 185°F)

##### Shock and Vibration

- Shock - 25G, Vibration - 5G

##### Humidity

- Relative humidity 10 ~ 90%, non-condensing
- Storage: Relative humidity 45% max. non-condensing

##### Power requirement

- 60W max.
- Input voltage - 100 ~ 240VAC @ 50/60Hz
- Optional DC input power - 24V, 48V, 125V and 250V
- MTBF > 100,000 hours

##### Dimensions

- 17.75" (W) X 15.25" (H) x 4.5" (D)
- Rack mount version is 8U high

##### Compatible with Windows 10 and 11 operating system

##### Ordering Information

TR-5199F-PM - Panel mount version  
TR-5199F-RM - Rack mount version

##### Warranty: 5 years

##### Options

- 24V, 48V, 125V and 250V DC power input
- IRIG A/B time sync with BNC
- Up to 4 x isolated RS232 or RS422/485 serial ports
- ArmourTouch glass touch screen.
- Fieldbus, Profibus and DeviceNet ports