TAICENN ®

Reliable & Tailor-made

Industrial Panel PC | Touch Monitor | Industrial Box PC

5G

Proudly Designed & Made in China

About us

TAICENN is a solution provider & manufacturer of industrial computing and display system from China mainland. We supply industrial box PC, industrial touch panel PC & industrial monitor products, which are specially designed for systems and applications that require excellent performance, high-level reliability and stability, longer supply period and support.

2007 to 2015

Team leaders worked in different computer companies with capable experience.

2016

TAICENN was founded in Shenzhen, focus on overseas industrial computing market;
Positioned as a global solution provider & manufacturer of IPC products;
Specially developed new product lines to meet overseas market features;
Established excellent support & product standards.

2017 to 2019

Strictly apply "Modular design & manufacturing" concept;
Become a qualified supplier to "BOSCH" company;
Establish partnership with Germany, France, Italy, USA, UK, Netherlands, Brazil, Australia...
Applied "Modular 2.0" concept in design & manufacturing, customization service;
European (Germany) branch established;
Become a qualified supplier for "ThyssenKrupp", "Porsche";

2020 to 2022

Become a national high-tech enterprise certificated company in China;
Become a qualified supplier to "SIEMENS" , "HONDA" companies;
Create subsidiary brands "MAINKCO IPC" and "MAINKCO SSD" for more product ranges;

Industrial Computing Solutions

Table of Contents

Modular Design & Manufacturing

TAICENN optimized modular concept design & manufacturing can overcome the pain points of industrial computing hardware industry, to provide our customers quick & flexible, reliable & stable product and support, so as to create more value for industrial computing solution products.

Modularization   Standardization   Universalization   Fast-Delivery   Low Cost   Low Inventory

Our Vision

To be a global industrial computing & Display system provider from mainland China.
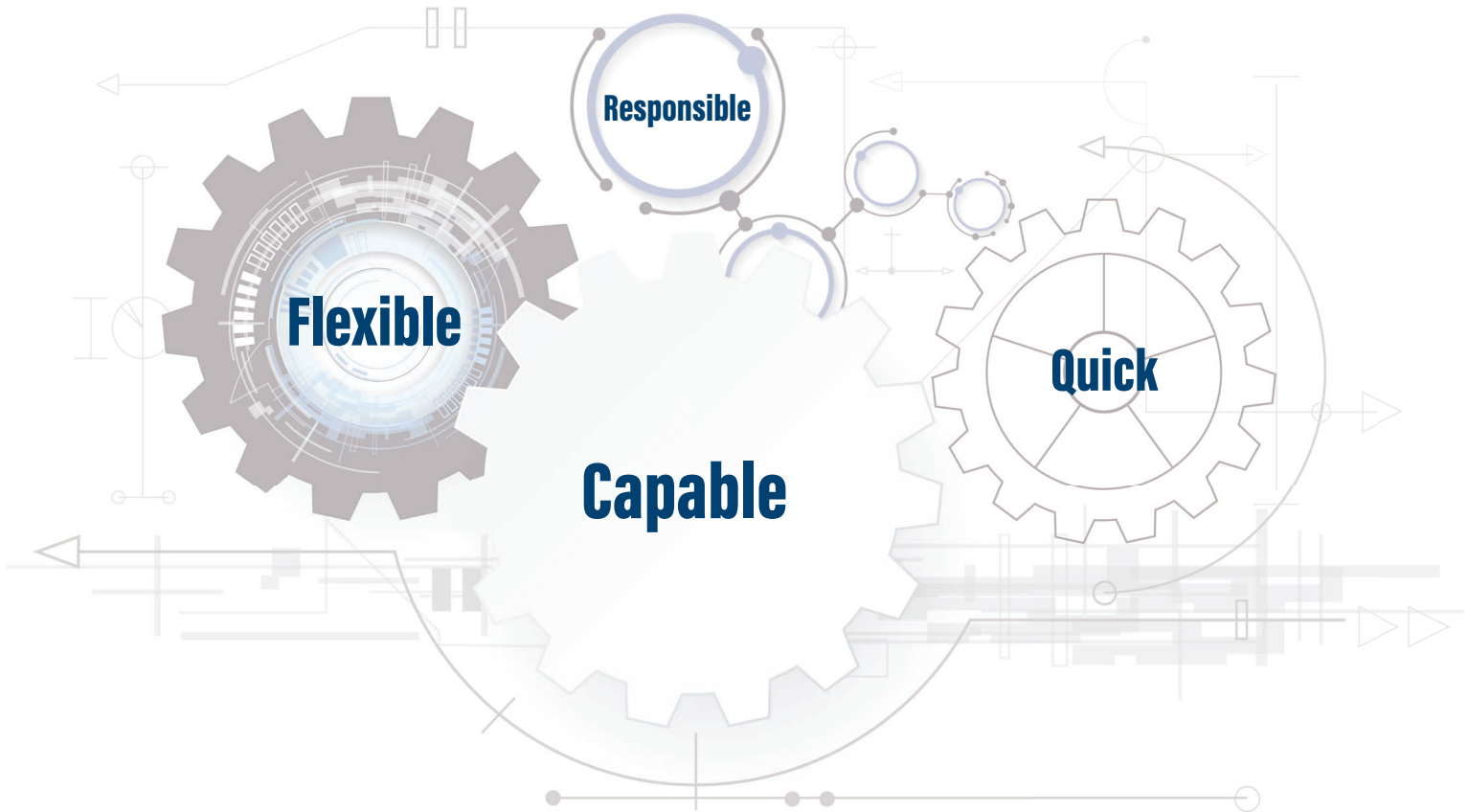
Reliable - Modular - Custom

FC CE RoHS COMPLIANT

Panel PC & Monitor

Industrial Box PC

Customized Computing Solutions

Customize Service

Responsible

Flexible

Quick

Capable

TAICENN, your last stop for customized computing solutions

TAICENN always focus on our core values and market positioning, to create "simpler" and "more secure" values for customer's application project support. We provide excellent non-standard customize service; use leading new technologies, different levels of customize capabilities, flexible and rapid design and manufacturing, systematic service standard; and quickly solve different unique application requirements. We insist on that failure is not an option to our products.

- Simply application assessment and prototype process;
- Flexibly and quickly meet industry applications;
- Best cost-effective solutions and products;
- Positioning to the middle & high-end level market, for high reliability;
- Rich industry experience and knowledge;
- Systematic after-sales service and support.

TPC

TAICENN Panel PCs

Both Pcap. Touch and Resistive Touch
Full Inventory from 10.4" to 21.5", total 10 choices

Slim Designed Panel PCs

TPC-DCT/DRT Series | Powerful Performance & Expandable | Modular Panel PC
TPC-DCS/DRS Series | Multiple platforms & Expandable | Touch Panel PC
TPC-DCM/DRM Series | Power-efficient & Rugged | Industrial Panel PC

Standard Rackmount Panel PCs

TPC-RCS/RRS Series | 19.0" Rack mount & Touchscreen | Industrial Panel PC

Rich IO configured Panel PCs

TPC-PCT/PRT Series | Powerful Computing & Expandable | Modular Panel PC
TPC-PCS/PRS Series | Multiple platforms & Expandable | Touch Panel PC
TPC-PC/PR Series | Power-efficient & Rugged | Industrial Panel PC

Multi Ethernets PoE Panel PC

TPC-DCP/DRP Series | Multiple Ethernets & PoE | HMI Panel PC
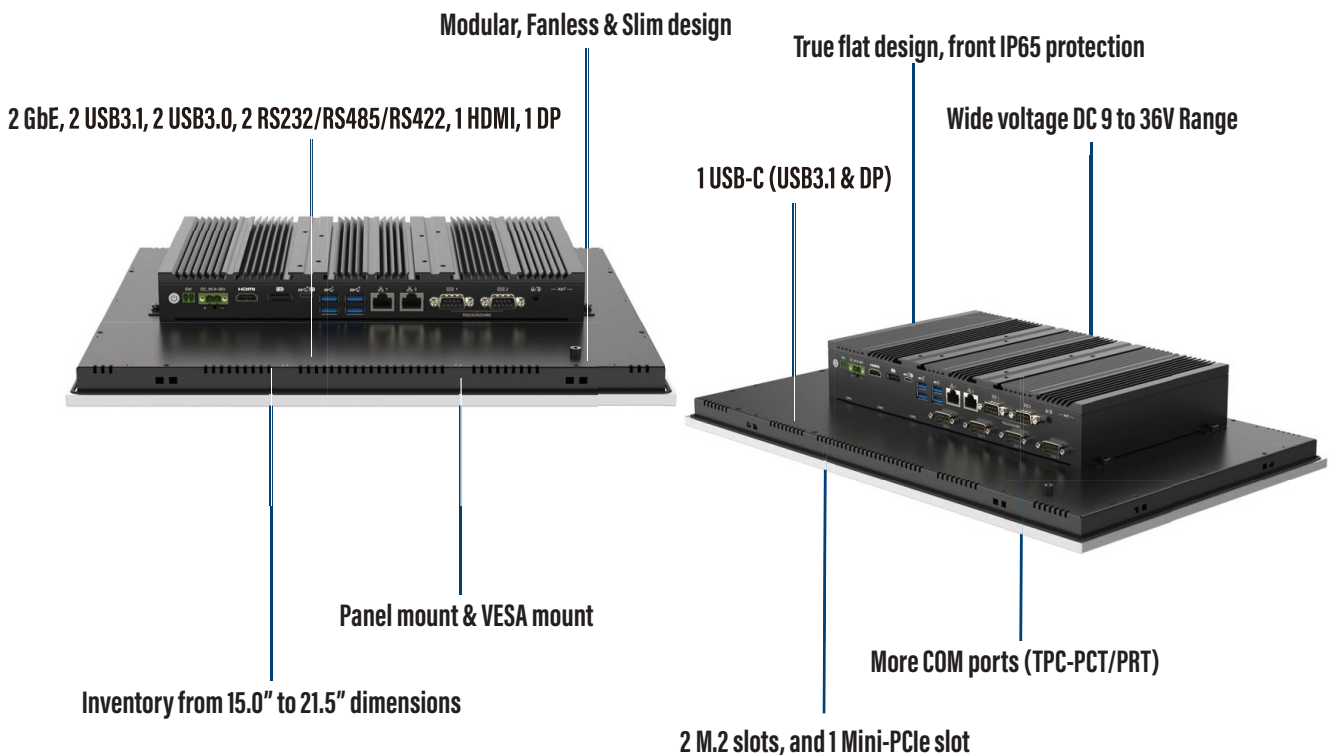
TPC-DCT/DRT
Slim Designed Panel PC Series

Overview

The TPC-DCT/DRT series slim designed panel PCs are flagship model panel mount front IP65 rated touch Panel PC series. This industrial panel PCs have the best specification, It has fully inventory from 15.0" to 21.5" dimension, can offer both Pcap. touch and resistive touch under the same cut-out dimension.

The TPC-DCT/DRT series can be equipped with 11th Gen. Tiger Lake Core i3/i5/i7 processors. Besides, The 2-layer designed TPC-PCT/PRT series can provide more COM ports and expansion IO ports, such as CAN, GPIO...

Features

Modular, Fanless & Slim design

True flat design, front IP65 protection

2 GbE, 2 USB3.1, 2 USB3.0, 2 RS232/RS485/RS422, 1 HDMI, 1 DP

Wide voltage DC 9 to 36V Range

1 USB-C (USB3.1 & DP)

Panel mount & VESA mount

Inventory from 15.0" to 21.5" dimensions

More COM ports (TPC-PCT/PRT)

2 M.2 slots, and 1 Mini-PCIe slot

Selecting Guide

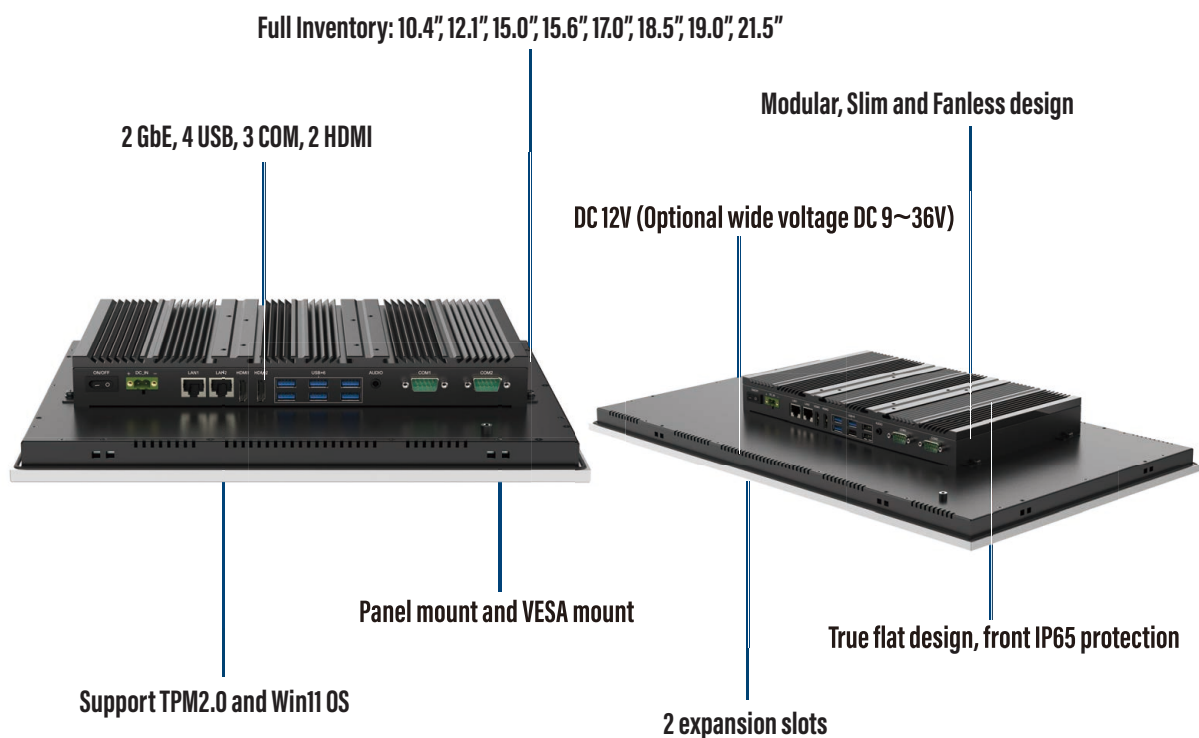| TPC	-	DCT	215	T2	
TAICENN Panel PC	Touch Type		Dimension & Resolution	CPU Code	IO & Description
TPC	DCT (Pcap.) DRT (Resistive)		150 (15.0", XGA 1024*768) 156 (15.6", WXGA 1366*768) 156H (15.6", FHD 1920*1080) 170 (17.0", SXGA 1280*1024)	T1 (i3-1115G4) T2 (i5-1136G7)	2 GbE, 2 USB3.1, 2 USB3.0, 1 USB-C, 2 COM, 1 HDMI, 1 DP, Audio, DC 9 to 36V
	PCT (Pcap.) PRT (Resistive)		185 (18.5", WXGA 1366*768) 185H (18.5", FHD 1920*1080) 190 (19.0", SXGA 1280*1024) 215 (21.5", FHD 1920*1080)	T3 (i7-1165G7)	2 GbE, 2 USB3.1, 2 USB3.0, 1 USB-C, 6 COM, 1 HDMI, 1 DP, Audio, DC 9 to 36V

TPC-DCS/DRS
Slim Designed Panel PC Series

Slim designed Modular Industrial Panel PC with 2 GbE, 6 USB, 2 COM, 2 HDMI; Support TPM2.0 and Win11 OS; 2 Expansion slots

Overview

The TPC-DCS/DRS are modular concept designed & manufactured, panel mount HMI industrial touch panel PCs series. This slim industrial panel PCs are fully inventory from 10.4" to 21.5" dimension, can offer both 10 points Pcap. touch and 5-wires resistive touch under the same cut-out dimension.

The TPC-DCS/DRS series support TPM2.0 and WIN11 OS, can be equipped with Intel Apollo Lake J3455, Intel Whiskey Lake Celeron, Core i3/i5/i7 processors, Intel Elkhart Lake J6412 and Intel 11th Gen. Tiger Lake Celeron, Core i3/i5/i7 processors.

Features

Full Inventory: 10.4", 12.1", 15.0", 15.6", 17.0", 18.5", 19.0", 21.5"

Modular, Slim and Fanless design

2 GbE, 4 USB, 3 COM, 2 HDMI

DC 12V (Optional wide voltage DC 9~36V)

Panel mount and VESA mount

True flat design, front IP65 protection

Support TPM2.0 and Win11 OS

2 expansion slots

Selecting Guide

TPC	-	DCS	156	T2	
TAICENN Panel PC	Touch Type	Dimension & Resolution	CPU Code	IO & Description	
TPC	DCS (Pcap.) DRS (Resistive)	101 (10.1", WXGA 1280*800) [1] 104 (10.4", XGA 1024*768)[2] 121 (12.1", XGA 1024*768) [3] 150 (15.0", XGA 1024*768) 156 (15.6", WXGA 1366*768) 156H (15.6", FHD 1920*1080) 170 (17.0", SXGA 1280*1024) 185 (18.5", WXGA 1366*768) 185H (18.5", FHD 1920*1080) 190 (19.0", SXGA 1280*1024) 215 (21.5", FHD 1920*1080)	A1 (J3455)	2 GbE, 4 USB3.0, 3 COM, 2 HDMI, DC 12V, 2 M.2 slots	
			W0 (4205U) W1 (i3-8145U) W2 (i5-8265U) W3 (i7-8565U)	2 GbE, 4 USB3.0, 3 COM, 2 HDMI, DC 12V, 2 M.2 slots	
			E1 (J6412)	2 GbE, 6 USB, 2 COM, 2 HDMI, DC 12V, 1 Mini-PCIe, 1 M.2 slot	
			T0 (6305E) T1 (i3-1115G4) T2 (i5-1135G7) T3 (i7-1165G7)	2 GbE, 6 USB3.0, 2 COM, 2 HDMI, Audio, DC 12V, 2 M.2 slot	

Note: [1] 10.1" only supports J6412 platform with 1 COM port; [2] [3] 10.4" and 12.1" dimensions have one less COM port; 10.4" and 12.1" dimensions don't support i3/i5/i7 CPUs.
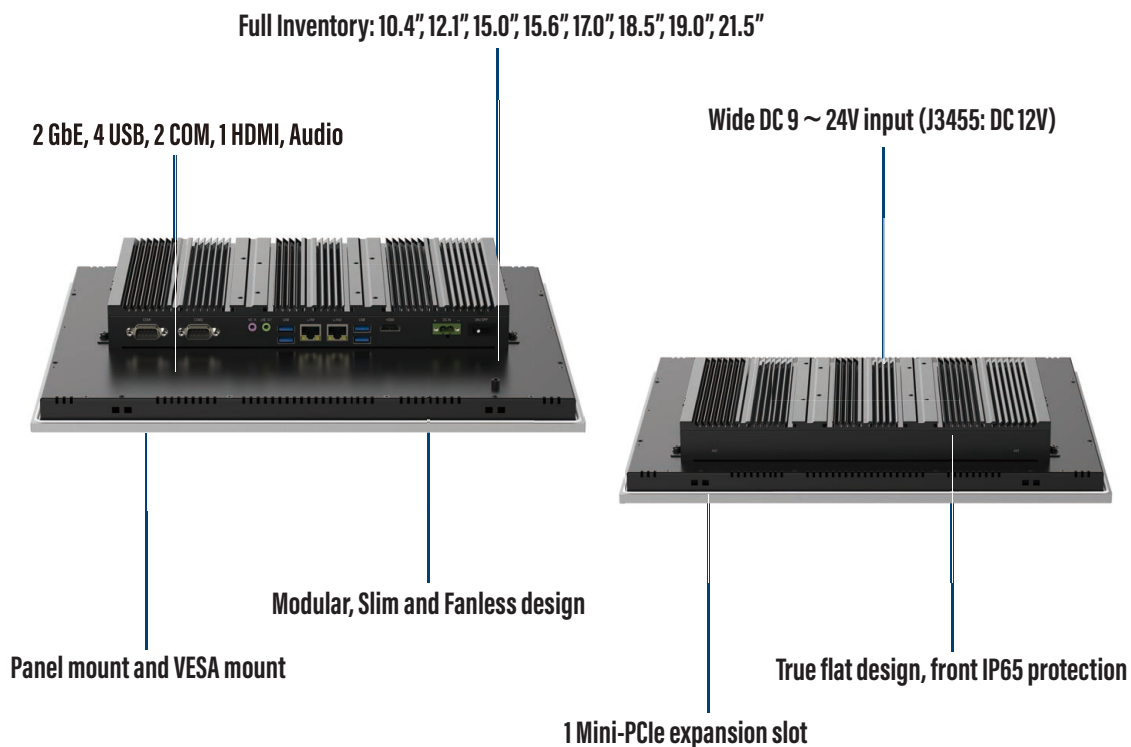
TPC-DCM/DRM
Slim Designed Panel PC Series

Overview

The TPC-DCM/DRM are modular concept designed & manufactured, panel mount industrial touch Panel PCs series. This slim industrial panel PCs are fully inventory from 10.4" to 21.5" dimension, can offer both 10 points Pcap. touch and 5-wires resistive touch under the same cut-out dimension.

The TPC-DCM/DRM series can be equipped with Intel Baytrail J1900 quad-core CPU, Intel Apollo Lake J3455, Whiskey Lake Core i3/i5/i7 processors.

Features

Full Inventory: 10.4", 12.1", 15.0", 15.6", 17.0", 18.5", 19.0", 21.5"

2 GbE, 4 USB, 2 COM, 1 HDMI, Audio

Wide DC 9 ~ 24V input (J3455: DC 12V)

Modular, Slim and Fanless design

Panel mount and VESA mount

True flat design, front IP65 protection

1 Mini-PCIe expansion slot

Selecting Guide

TPC	-	DCM	215	A1	
TAICENN Panel PC	**Touch Type**	**Dimension & Resolution**	**CPU Code**	**IO & Description**	
TPC	DCM (Pcap.) DRM (Resistive)	104 (10.4", XGA 1024*768) [1] 121 (12.1", XGA 1024*768) [2] 150 (15.0", XGA 1024*768) 156 (15.6", WXGA 1366*768) 156H (15.6", FHD 1920*1080) 170 (17.0", SXGA 1280*1024) 185 (18.5", WXGA 1366*768) 185H (18.5", FHD 1920*1080) 190 (19.0", SXGA 1280*1024) 215 (21.5", FHD 1920*1080)	C1 (J1900)	2 GbE, 1 USB3.0, 3 USB2.0, 2 COM, 1 HDMI, DC 9 to 24V	
			A1 (J3455)	2 GbE, 4 USB3.0, 2 COM, 1 HDMI, DC 12V	
			W1 (i3-8145U) W2 (i5-8265U) W3 (i7-8565U)	2 GbE, 4 USB3.0, 2 USB2.0, 2 COM, 1 HDMI, DC 9 to 24V	

Note: [1] [2] 10.4"and 12.1" dimensions have one less COM port; 10.4" and 12.1" dimensions don't support i3/i5/i7 CPUs.
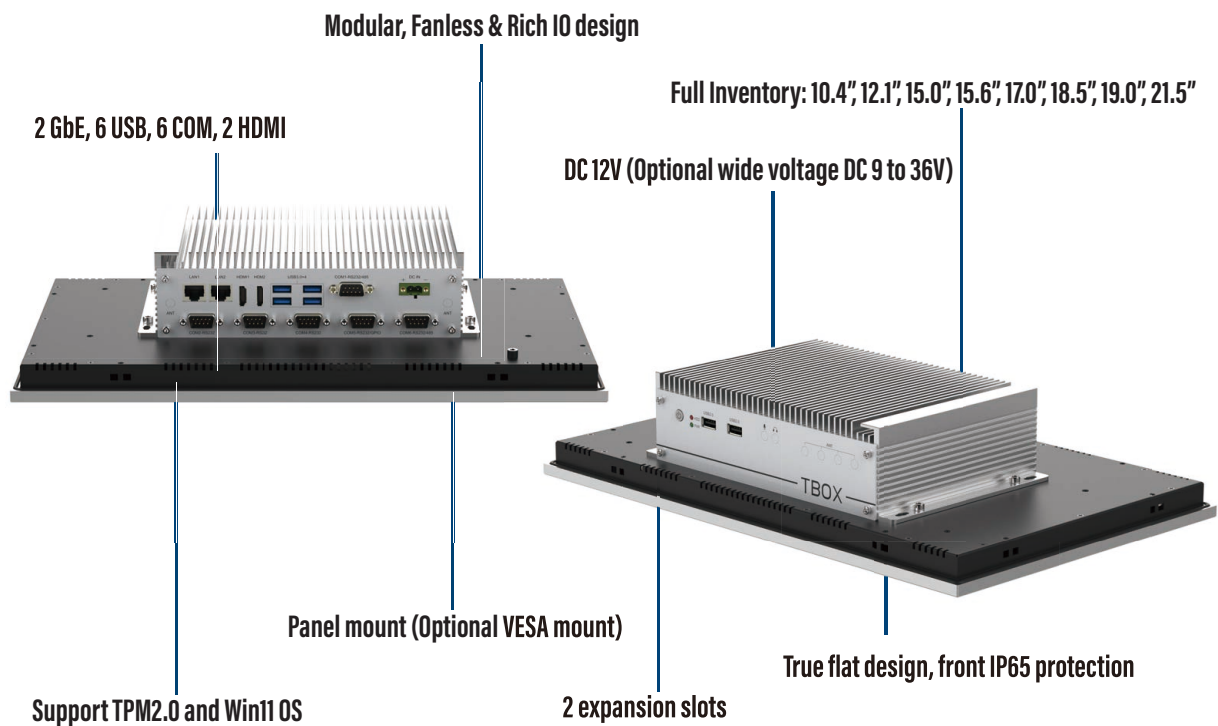
TPC-PCS/PRS
Rich IO configured Panel PC Series

Overview

The TPC-PCS/PRS are modular concept designed & manufactured, panel mount industrial HMI touch panel PC series. This rich IO industrial panel PCs are fully inventory from 10.4" to 21.5" dimension, can offer both 10 points Pcap. touch and 5-wires resistive touch under the same cut-out dimension.

The TPC-PCS/PRS series support TPM2.0 and WIN11 OS, can be equipped with Intel Apollo Lake J3455, Intel Whiskey Lake Celeron, Core i3/i5/i7 processors, Intel Elkhart Lake J6412 and Intel 11th Gen. Tiger Lake UP3 Celeron, Core i3/i5/i7 processors.

Features

Modular, Fanless & Rich IO design

Full Inventory: 10.4", 12.1", 15.0", 15.6", 17.0", 18.5", 19.0", 21.5"

2 GbE, 6 USB, 6 COM, 2 HDMI

DC 12V (Optional wide voltage DC 9 to 36V)

Panel mount (Optional VESA mount)

True flat design, front IP65 protection

Support TPM2.0 and Win11 OS

2 expansion slots

Selecting Guide

TPC	-	PCS	185H	W2	
TAICENN Panel PC	Touch Type	Dimension & Resolution	CPU Code	IO & Description	
TPC	PCS (Pcap.) PRS (Resistive)	104 (10.4", XGA 1024*768) 121 (12.1", XGA 1024*768) 150 (15.0", XGA 1024*768) 156 (15.6", WXGA 1366*768) 156H (15.6", FHD 1920*1080) 170 (17.0", SXGA 1280*1024) 185 (18.5", WXGA 1366*768) 185H (18.5", FHD 1920*1080) 190 (19.0", SXGA 1280*1024) 215 (21.5", FHD 1920*1080)	A1 (J3455)	2 GbE, 6 USB, 6 COM, 2 HDMI, DC 12V, 2 M.2 slots	
			W0 (4205U) W1 (i3-8145U) W2 (i5-8265U) W3 (i7-8565U)	2 GbE, 6 USB, 6 COM, 2 HDMI, DC 12V, 2 M.2 slots	
			E1 (J6412)	2 GbE, 8 USB, 6 COM, 2 HDMI, DC 12V, 1 Mini-PCIe, 1 M.2 slot	
			T0 (6305E) T1 (i3-1115G4) T2 (i5-1135G7) T3 (i7-1165G7)	2 GbE, 8 USB, 6 COM, 2 HDMI, DC 12V, 2 M.2 slot	

TPC-PC/PR
Rich IO configured Panel PC Series

Overview

The TPC-PC/PR are modular concept designed & manufactured, panel mount front IP65 rated touch Panel PC series. This rich IO interface industrial panel PCs are fully inventory from 10.4" to 21.5" dimension, can offer both 10 points Pcap. touch and 5-wires resistive touch under the same cut-out dimension.

The TPC-PC/PR series can be equipped with Intel Baytrail J1900, Apollo Lake J3455, Whiskey Lake Core i3/i5/i7 processors.

Features

Modular, Fanless & Rich IO design

2 GbE, 6 USB, 6 COM, 1 HDMI, 1 VGA

DC 9 ~ 24V input (J3455: DC 12V)

Panel mount (Optional VESA mount)

True flat design, front IP65 protection

Full inventory from 10.4" to 21.5" dimensions

1 Mini-PCIe expansion slot
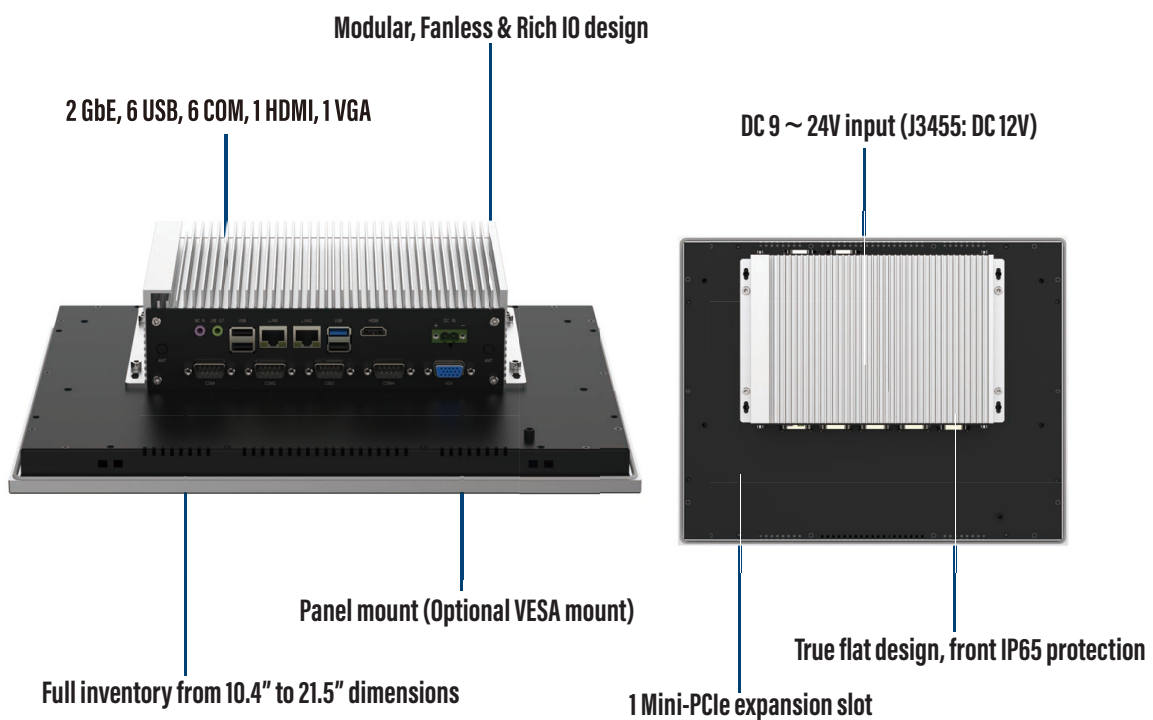
Selecting Guide

TPC	-	PC	215	C1	
TAICENN Panel PC		Touch Type	Dimension & Resolution	CPU Code	IO & Description
TPC		PC (Pcap.) PR (Resistive)	104 (10.4", XGA 1024*768) 121 (12.1", XGA 1024*768) 150 (15.0", XGA 1024*768) 156 (15.6", WXGA 1366*768) 156H (15.6", FHD 1920*1080) 170 (17.0", SXGA 1280*1024) 185 (18.5", WXGA 1366*768) 185H (18.5", FHD 1920*1080) 190 (19.0", SXGA 1280*1024) 215 (21.5", FHD 1920*1080)	C1 (J1900)	2 GbE, 1 USB3.0, 4 USB2.0, 6 COM, 1 HDMI, 1 VGA, DC 9 to 24V
				A1 (J3455)	2 GbE, 4 USB3.0, 2 USB2.0, 6 COM, 1 HDMI, 1 VGA, DC 12V
				W1 (i3-8145U) W2 (i5-8265U) W3 (i7-8565U)	2 GbE, 4 USB3.0, 4 USB2.0, 6 COM, 1 HDMI, 1 VGA, DC 9 to 24V

TPC-RCS/RRS
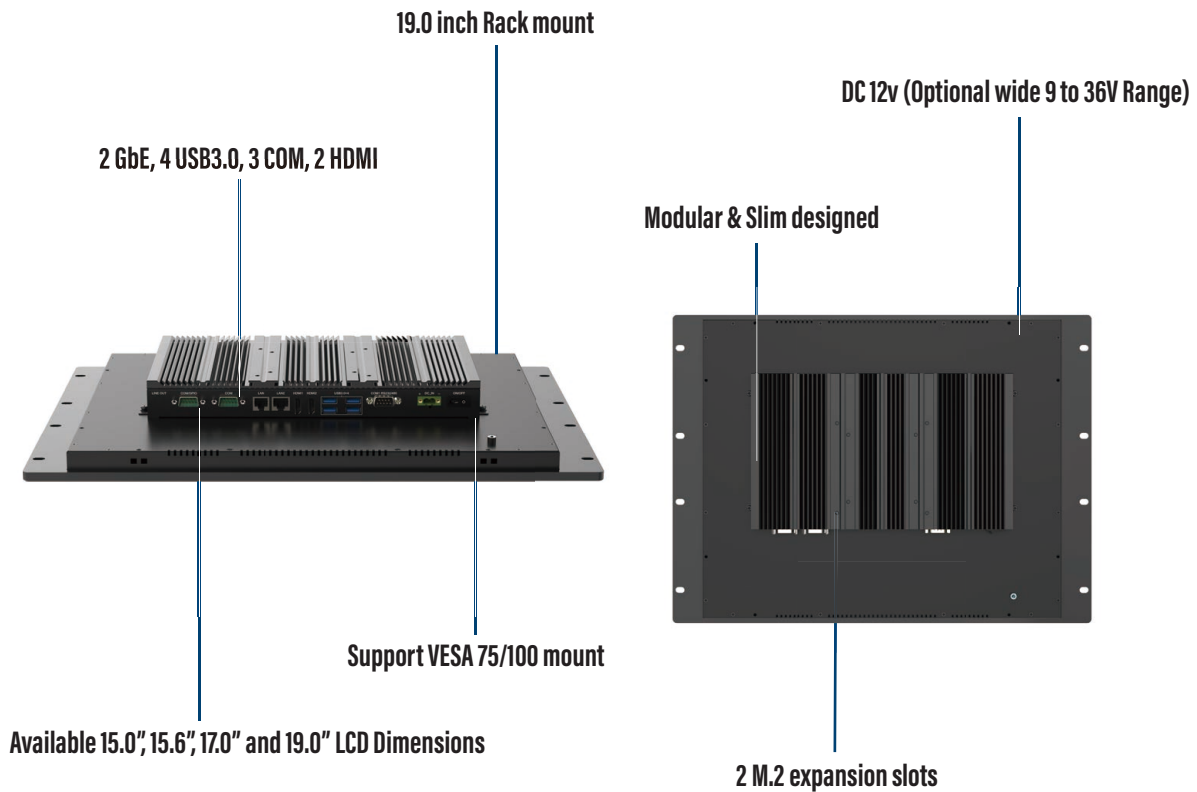## Standard Rackmount Panel PC Series

19.0 inch Rack mount Panel PC with
2 GbE, 4 USB3.0, 3 COM, 2 HDMI,
1 Line-out; Support 2 M.2 slots

Overview

TAICENN TPC-RCS/RRS series Panel PC is 19.0-inch rack mount touchscreen HMI system for machinery and industrial cabinet applications. This category rack mount Panel PC are available with Intel Apollo Lake, Intel 8th Gen. Whiskey Lake, Intel Elkhart lake J6412 and Intel 11th Gen. Tiger Lake UP3 Processors for different computing performance. Its basic IO specification and helpful optional expansions meet computing tasks according to their industrial needs.

Features

19.0 inch Rack mount

DC 12v (Optional wide 9 to 36V Range)

2 GbE, 4 USB3.0, 3 COM, 2 HDMI

Modular & Slim designed

Support VESA 75/100 mount

Available 15.0", 15.6", 17.0" and 19.0" LCD Dimensions

2 M.2 expansion slots

Selecting Guide

TPC	-	RCS	190	W2	
TAICENN Panel PC	Touch Type	Dimension & Resolution	CPU Code	IO & Description	
TPC	RCS (Pcap.) RRS (Resistive)	150 (15.0", XGA 1024*768) 156 (15.6", WXGA 1366*768) 156H (15.6", FHD 1920*1080) 170 (17.0", SXGA 1280*1024) 190 (19.0", SXGA 1280*1024)	A1 (J3455)	2 GbE, 4 USB3.0, 3 COM, 2 HDMI, DC 12V, 2 M.2 slots	
			W0 (4205U) W1 (i3-8145U) W2 (i5-8265U) W3 (i7-8565U)	2 GbE, 4 USB3.0, 3 COM, 2 HDMI, DC 12V, 2 M.2 slots	
			E1 (J6412)	2 GbE, 6 USB, 2 COM, 2 HDMI, DC 12V, 1 Mini-PCIe, 1 M.2 slot	
			T0 (6305E) T1 (i3-1115G4) T2 (i5-1135G7) T3 (i7-1165G7)	2 GbE, 6 USB3.0, 2 COM, 2 HDMI, Audio, DC 12V, 2 M.2 slot	

TBOX

TAICENN Box PCs

Multiple Expansions Box PC

TBOX-4xx1 Series | Power-efficient & Expandable | Multiple Expansion Box PC

Multiple Ethernets Box PC

TBOX-3xx0 Series | Powerful Performance & PoE | Multiple PoE Box PC

Rugged Fanless Box PC

TBOX-2xx0 Series | Power-efficient & Rugged | Fanless Embedded system
TBOX-2xx5 Series | Powerful Performance & Rugged | Industrial Box PC

Industrial Mini Computer

TBOX-1xx0 Series | Power-efficient & Compact | Fanless Mini PC
TBOX-1xx5 Series | Powerful Performance & Compact | Fanless Embedded PC
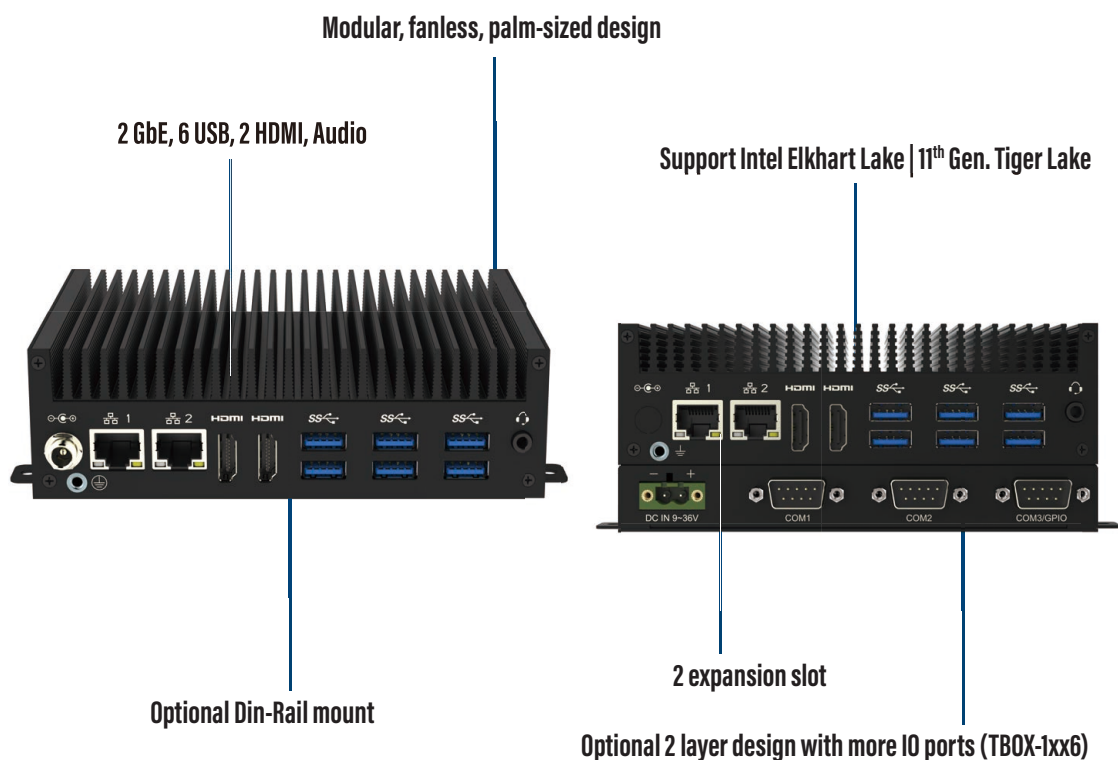
TBOX-1xx5

Industrial Mini Computer Series

Overview

The TBOX-1xx5 series are ultra compact small size industrial mini Box PC series. In limited space, it delivers rich IO interfaces: 2 GbE, 6 USB and 2 HDMI ports. Also, This series provides optional 3G/4G/LTE, Wi-Fi/BT wireless expansions via 2 internal expansion slot.

The rugged Mini PC system TBOX-1xx5 series can be equipped with Intel Elkhart Lake J6412 and Intel 11th Gen. Core Tiger Lake processors, providing high computing performance to satisfy industrial application requirements.

Features

Modular, fanless, palm-sized design

2 GbE, 6 USB, 2 HDMI, Audio

Support Intel Elkhart Lake | 11th Gen. Tiger Lake

Optional Din-Rail mount

2 expansion slot

Optional 2 layer design with more IO ports (TBOX-1xx6)

Ordering Information

- **TBOX-1E15**
  Intel Elkhart Lake J6412 processor, 2 GbE, 3 USB3.0, 3 USB2.0, 2 HDMI, Audio, 1 M.2 slot, 1 Mini-PCIe slot, DC 12V, PSU

- **TBOX-1E16**
  Intel Elkhart Lake J6412 processor, 2 GbE, 3 USB3.0, 3 USB2.0, 2 HDMI, 2 COM, 1 COM/GPIO, Audio, 1 M.2 slot, 1 Mini-PCIe slot, DC terminal 9 to 36V, PSU

- **TBOX-1T15 | TBOX-1T25 | TBOX-1T35**
  Intel Tiger Lake Core i3-1115G4 | Core i5-1135G7 | Core i7-1165G7 processor, 2 GbE, 6 USB3.0, 2 HDMI, Audio, 2 M.2 slot, 12V, PSU

- **TBOX-1T16 | TBOX-1T26 | TBOX-1T36**
  Intel Tiger Lake Core i3-1115G4 | Core i5-1135G7 | Core i7-1165G7 processor, 2 GbE, 6 USB3.0, 2 HDMI, 2 COM, 1 COM/GPIO, Audio, 2 M.2 slot, DC terminal 9 to 36V, PSU

TBOX-1xx0
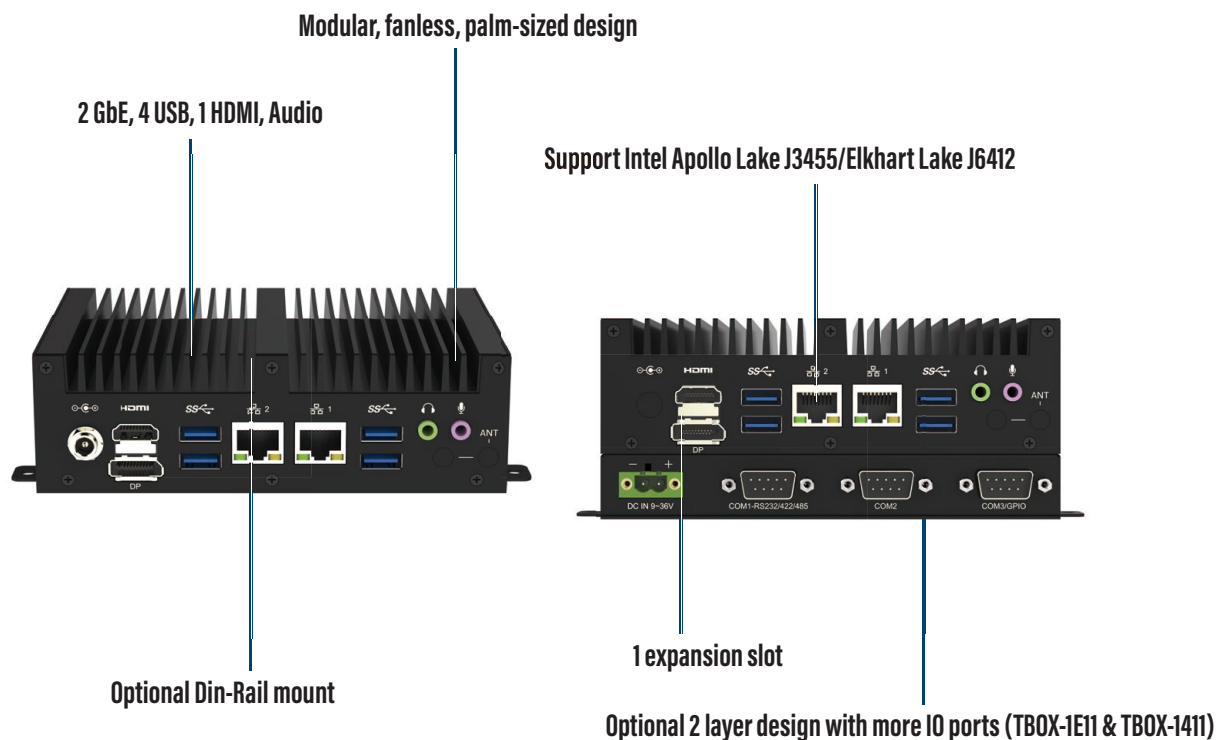## Industrial Mini Computer Series

Ultra compact Intel Celeron industrial Box PC with 2 GbE, 4 USB, 1 HDMI; Support 1 Expansion slot

Overview

The TBOX-1xx0 series are ultra compact small size industrial mini Box PC series. In limited space, it delivers rich IO interfaces: 2 GbE, 4 USB and 1 HDMI ports. Also, This series provides optional 3G/4G/LTE, Wi-Fi/BT wireless expansions via 1 internal expansion slot.

The rugged embedded system TBOX-1xx0 series can be equipped with Intel Apollo Lake J3455 and Intel Elkhart Lake J6412 processors, providing high computing performance to satisfy industrial application requirements.

Features

Modular, fanless, palm-sized design

2 GbE, 4 USB, 1 HDMI, Audio

Support Intel Apollo Lake J3455/Elkhart Lake J6412

Optional Din-Rail mount

1 expansion slot

Optional 2 layer design with more IO ports (TBOX-1E11 & TBOX-1411)

Ordering Information

■ **TBOX-1E10**
Intel Elkhart Lake J6412 processor, 2 GbE, 4 USB3.0, 1 HDMI, 1 DP, Mic-in/Line-out, 1 M.2 slot, DC 9 to 36V, PSU

■ **TBOX-1E11**
Intel Elkhart Lake J6412 processor, 2 GbE, 4 USB3.0, 3 COM, 1 HDMI, 1 DP, Mic-in/Line-out, 1 M.2 slot, DC 9 to 36V, PSU

■ **TBOX-1410**
Intel Apollo Lake J3455 processor, 2 GbE, 4 USB3.0, 1 HDMI, Mic-in/Line-out, 1 Mini-PCIe, DC 12V, PSU

■ **TBOX-1411**
Intel Apollo Lake J3455 processor, 2 GbE, 4 USB3.0, 3 COM, 1 HDMI, Mic-in/Line-out, 1 Mini-PCIe, DC 9 to 36V, PSU
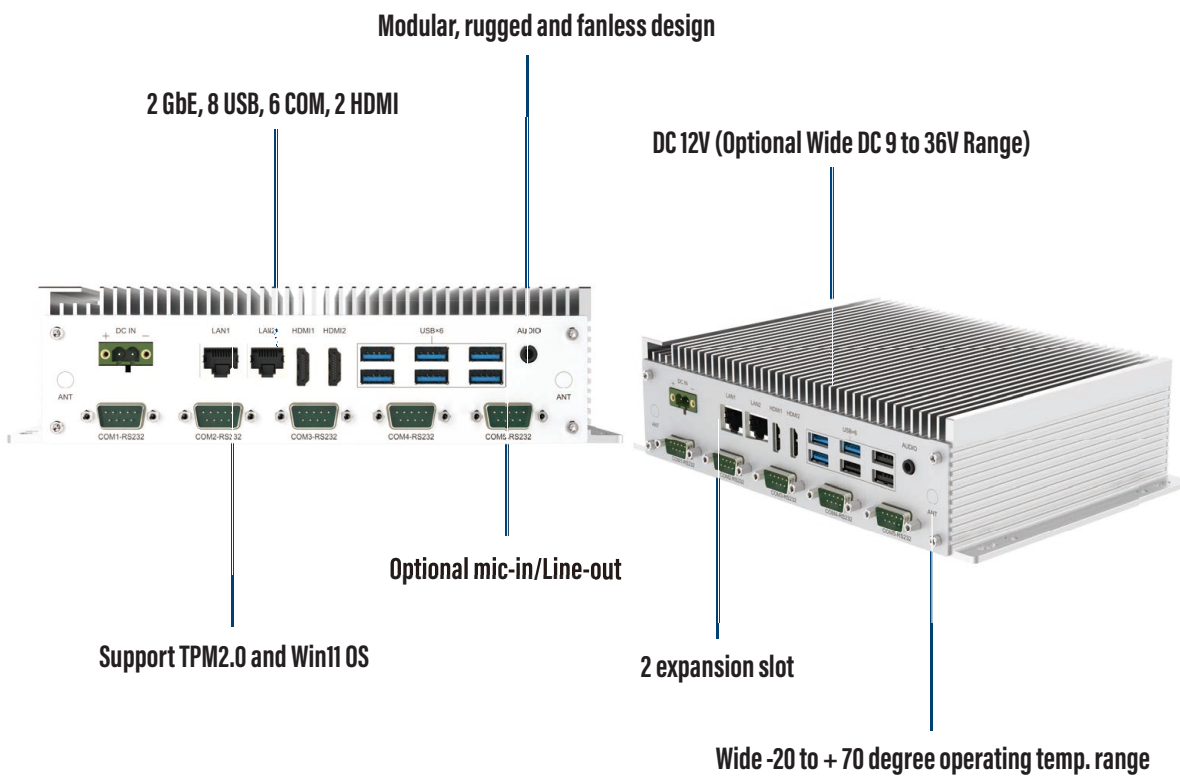
TBOX-2xx5

Rugged fanless Box PC series

Overview

The TBOX-2xx5 are modular designed & manufactured rugged industrial box computer series. It delivers rich IO interfaces, includes 2 GbE,6 USB, 6 COM and 2 HDMI ports; This series provides optional 3G/4G, Wi-Fi/BT, 5G/Wi-Fi 6 wireless via its 2 wireless expansion slots.

The rugged box PC TBOX-2xx5 series can be equipped with Intel J3455, Intel 8th Gen. Whiskey Lake Celeron, Core i3/i5/i7, Intel J6412 and Intel 11th Gen. Tiger Lake UP3 Celeron, Core i3/i5/i7 processors. The Box PCs support TPM2.0 and Windows 11 OS platform, industrial wide operating temp. range -20 to + 70 degree, very suitable for various of industrial & embedded projects.

Features

Modular, rugged and fanless design

2 GbE, 8 USB, 6 COM, 2 HDMI

DC 12V (Optional Wide DC 9 to 36V Range)

Optional mic-in/Line-out

Support TPM2.0 and Win11 OS

2 expansion slot

Wide -20 to + 70 degree operating temp. range

Ordering Information

▪ **TBOX-2415**

Intel Apollo Lake J3455 processor, 2 GbE, 4 USB3.0, 2 USB2.0, 6 COM, 2 HDMI, 2 M.2 slots, DC 12V, PSU

▪ **TBOX-2805 | TBOX-2815 | TBOX-2825 | TBOX-2835**

Intel 8th Gen. Whiskey lake Celeron 4205U | Core i3-8145U | i5-8265U | i7-8565U processors, 2 GbE, 4 USB3.0, 2 USB2.0, 6 COM, 2 HDMI, 2 M.2 slots, DC 12V, PSU

▪ **TBOX-2E15**

Intel Elkhart Lake J6412 processor, 2 GbE, 3 USB3.0, 5 USB2.0, 6 COM, 2 HDMI, Audio, 1 Mini-PCIe, 1 M.2 slot, DC 9 to 36V, PSU

▪ **TBOX-2T05 | TBOX-2T15 | TBOX-2T25 | TBOX-2T35**

Intel 11th Gen. Tiger Lake UP3 Celeron 6305E | Core i3-1115G4 | Core i5-1135G7 | Core i7-1165G7 processors, 2 GbE, 8 USB, 6 COM, 2 HDMI, Audio, 2 M.2 slot, DC 12V, PSU
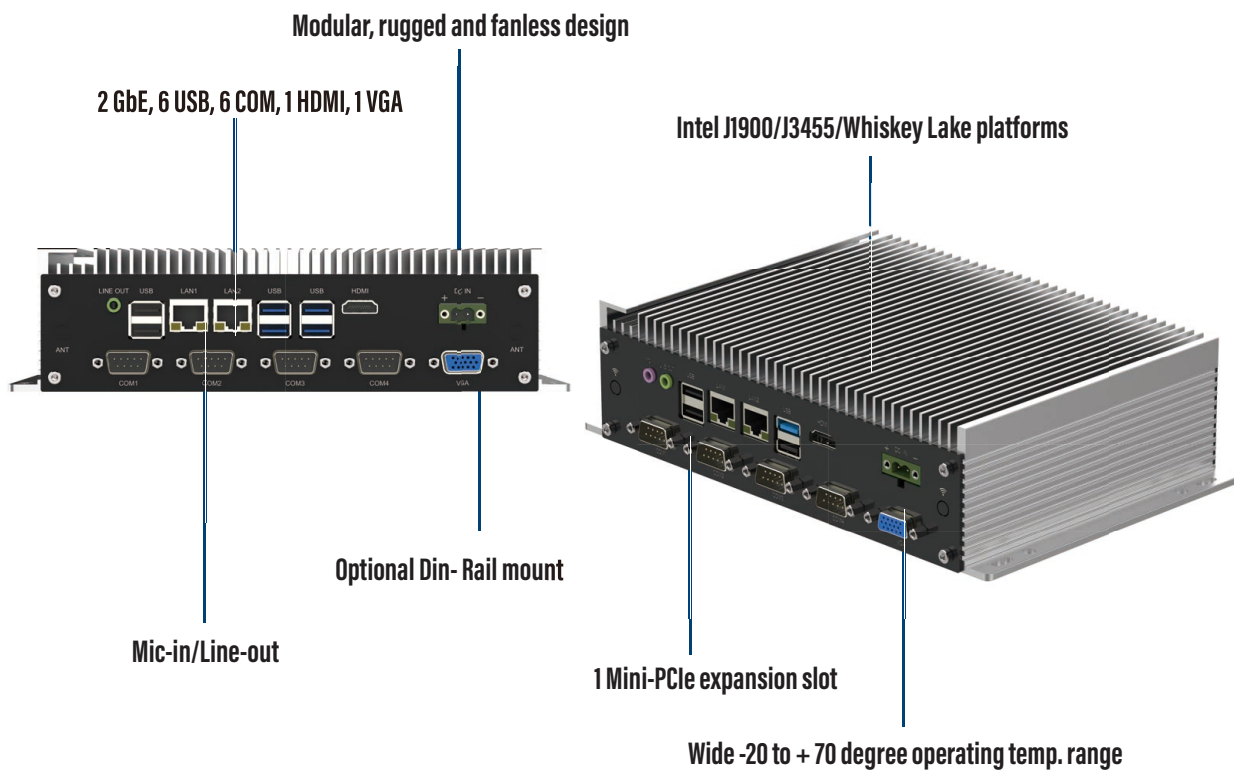
TBOX-2xx0
Rugged fanless Box PC series

Overview

The TBOX-2xx0 are modular designed & manufactured, rugged industrial box computer series. It delivers rich IO interfaces, includes 2 GbE,6 USB, 6 COM, 1 HDMI and 1 VGA ports; The TBOX-2xx0 provides optional 3G/4G, Wi-Fi/BT wireless via its 1 Mini-PCIe expansion slot.

The rugged box PC TBOX-2xx0 can be equipped with Intel Baytrail J1900, Intel Apollo Lake J3455, and Intel 8th Gen. Whiskey Lake Core i3/i5/i7 CPUs. The TBOX-2xx0 support industrial wide range operating temp. -20 to + 70 degree, very suitable for various of industrial & embedded projects.

Features

Modular, rugged and fanless design

2 GbE, 6 USB, 6 COM, 1 HDMI, 1 VGA

Intel J1900/J3455/Whiskey Lake platforms

Optional Din- Rail mount

Mic-in/Line-out

1 Mini-PCIe expansion slot

Wide -20 to + 70 degree operating temp. range

Ordering Information

- **TBOX-2310**
  Intel Baytrail J1900 processor, 2 GbE, 1 USB3.0, 5 USB2.0, 6 COM, 1 HDMI, 1 VGA, 1 Mini-PCIe, DC 9 to 24 V, PSU
- **TBOX-2410**
  Intel Apollo Lake J3455 processor, 2 GbE, 4 USB3.0, 2 USB2.0, 6 COM, 1 HDMI, 1 VGA, 1 Mini-PCIe, DC 12V, PSU
- **TBOX-2810 | TBOX-2820 | TBOX-2830**
  Intel 8th Gen. Whiskey lake Core i3-8145U | i5-8265U | i7-8565U processor, 2 GbE, 4 USB3.0, 4 USB2.0, 6 COM, 1 HDMI, 1 VGA, 1 Mini-PCIe, DC 9 to 24V, PSU

TBOX-3xx0
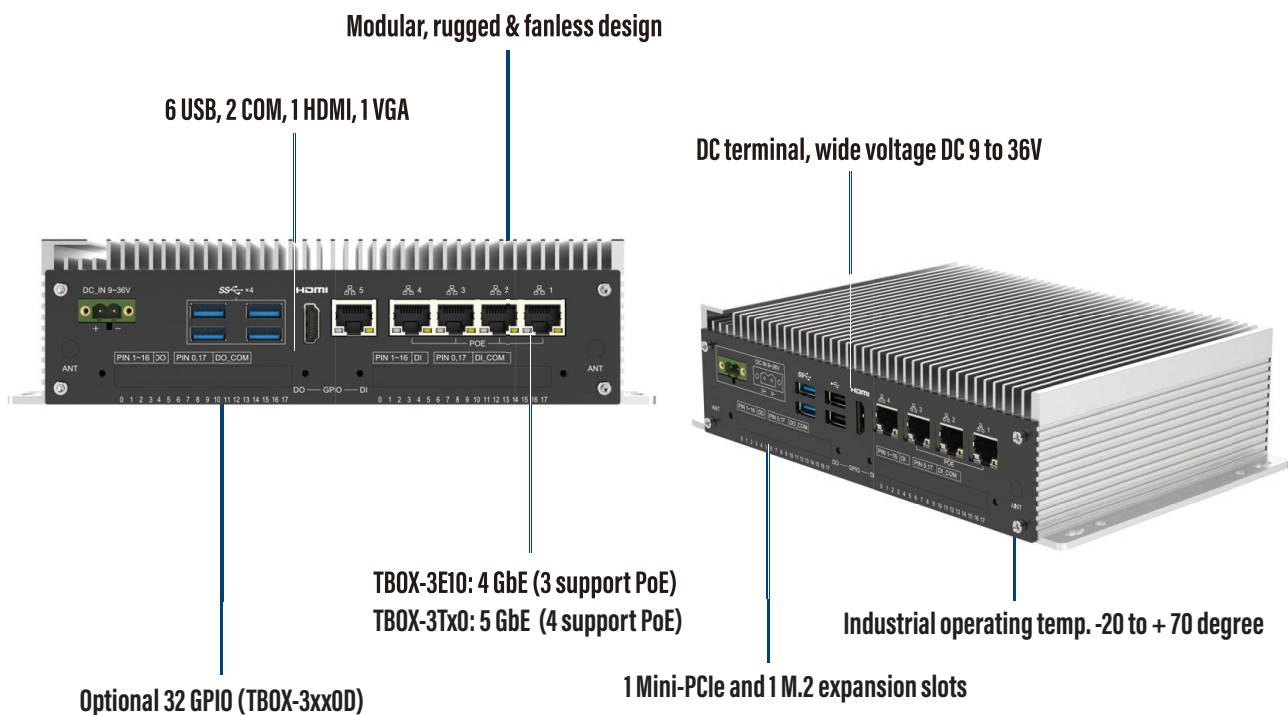## Multiple Ethernets Box PC Series

Intel rugged industrial Box PC with PoE ports, 6 USB, 2 COM, 1 HDMI, 1 VGA; 1 Mini-PCIe & 1 M.2 expansion slots;

Overview

The TBOX-3xx0 is modular designed & manufactured, multiple ethernet ports rugged box PC series. It delivers rich IO interfaces with PoE ports, 6 USB, 2 COM, 1 HDMI, 1 VGA and 32 GPIO (optional) ports. Also, The TBOX-3xx0 optional support 3G/4G/LTE, Wi-Fi/BT and other industrial modules via 1 internal Mini-PCIe and 1 M.2 slots.

The rugged computer TBOX-3xx0 can be equipped with Intel J6413 and Intel 11th Gen. Celeron, Core i3/i5/i7 CPUs, providing high computing to satisfy industrial requirements. Moreover, it supports industrial wide temp. range -20 to +70C degree, suitable for machine vision and industrial network projects.

Features

Modular, rugged & fanless design

6 USB, 2 COM, 1 HDMI, 1 VGA

DC terminal, wide voltage DC 9 to 36V

TBOX-3E10: 4 GbE (3 support PoE)
TBOX-3Tx0: 5 GbE (4 support PoE)

Industrial operating temp. -20 to + 70 degree

Optional 32 GPIO (TBOX-3xx0D)

1 Mini-PCIe and 1 M.2 expansion slots

Ordering Information

- **TBOX-3E10**

  Intel Elkhart Lake J6413 processor, 4 Gb E (3 PoE), 2 USB3.0, 4 USB2.0, 2 COM, 1 HDMI, 1 VGA, 1 Mini-PCIe, 1 M.2 slot, DC 9 to 36V, PSU

- **TBOX-3E10D**

  Intel Elkhart Lake J6413 processor, 4 GbE (3 PoE), 2 USB3.0, 4 USB2.0, 2 COM, 1 HDMI, 1 VGA, 32 GPIO, 1 Mini-PCIe, 1 M.2 slot, DC 9 to 36V, PSU

- **TBOX-3T00 | TBOX-3T10 | TBOX-3T20 | TBOX-3T30**

  Intel Celeron 6305E | Core i3-1115G4 | Core i5-1135G7 | Core i7-1165G7 processors, 5 GbE (4 PoE), 4 USB3.0, 2 USB2.0, 2 COM, 1 HDMI, 1 VGA, 1 Mini-PCIe, DC 9 to 36V, PSU

- **TBOX-3T00D | TBOX-3T10D | TBOX-3T20D | TBOX-3T30D**

  Intel Celeron 6305E | Core i3-1115G4 | Core i5-1135G7 | Core i7-1165G7 processors, 5 GbE (4 PoE), 4 USB3.0, 2 USB2.0, 2 COM, 1 HDMI, 1 VGA, 32 GPIO, 1 Mini-PCIe, DC 9 to 36V, PSU

TBOX-4xx1
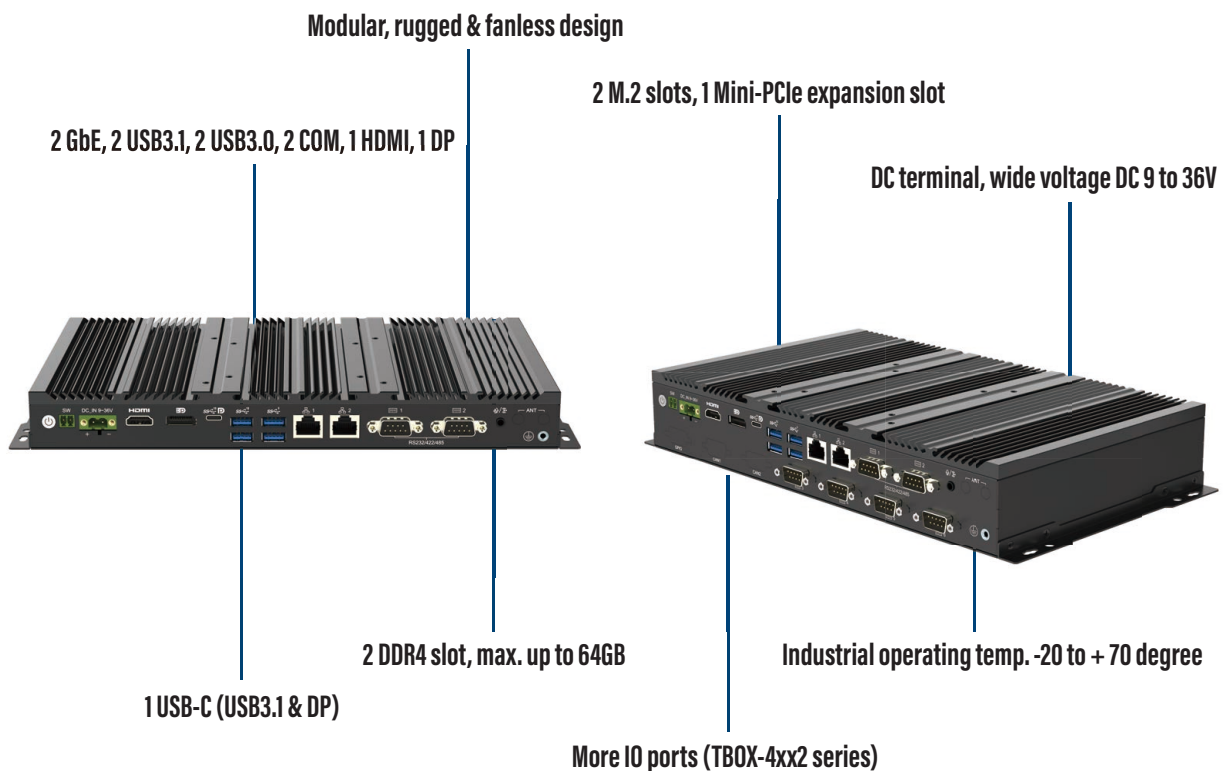## Multiple Expansions Box PC Series

Modular Box PC; Slim design with 2 GbE, 2 USB3.1, 2 UBS3.0, 2 COM, 1 HDMI, 1 DP, 1 AUDIO, 1 USB-C; Support 3 Expansion slot

Overview

The multiple expansions Box PC series is a powerful performance Box PC, can be equipped with newest Intel 11th Gen. Tiger Lake UP3 platforms. It delivers abundant IO ports together with wide voltage DC 9~36V power input to satisfy industrial and embedded application requirements. TBOX-4xx1 series supports flexible modules expansions, including 2x fast M.2 Key slots and 1x Mini-PCIe slot for specific requested industrial projects.

Besides TBOX-4xx1 series, the other TBOX-4xx2 series design with more IO ports for requested industrial requirements.

Features

Modular, rugged & fanless design

2 M.2 slots, 1 Mini-PCIe expansion slot

2 GbE, 2 USB3.1, 2 USB3.0, 2 COM, 1 HDMI, 1 DP

DC terminal, wide voltage DC 9 to 36V

2 DDR4 slot, max. up to 64GB

Industrial operating temp. -20 to + 70 degree

1 USB-C (USB3.1 & DP)

More IO ports (TBOX-4xx2 series)

Ordering Information

■ **TBOX-4T11**

Intel Tiger Lake Core i3-1115G4 processor, 2 GbE, 2 USB3.1, 2 USB3.0, 1 USB-C, 2 RS232/RS485/RS422, 1 HDMI, 1 DP, 1 Mini-PCIe, 2 M.2 slot, DC 9 to 36V, PSU

■ **TBOX-4T21**

Intel Tiger Lake Core i5-1135G7 processor, 2 GbE, 2 USB3.1, 2 USB3.0, 1 USB-C, 2 RS232/RS485/RS422, 1 HDMI, 1 DP, 1 Mini-PCIe, 2 M.2 slot, DC 9 to 36V, PSU

■ **TBOX-4T31**

Intel Tiger Lake Core i7-1165G7 processor, 2 GbE, 2 USB3.1, 2 USB3.0, 1 USB-C, 2 RS232/RS485/RS422, 1 HDMI, 1 DP, 1 Mini-PCIe, 2 M.2 slot, DC 9 to 36V, PSU

■ **TBOX-4T12 | TBOX-4T22 | TBOX-4T32**

Intel Tiger Lake Core i3-1115G4 | Core i5-1135G7 | Core i7-1165G7 processors, 2 GbE, 2 USB3.1, 2 USB3.0, 1 USB-C, 2 RS232/RS485/RS422, 4 RS232, 1 HDMI, 1 DP, 1 Mini-PCIe, 2 M.2 slot, DC 9 to 36V, PSU

TAICENN Industrial Monitor

TM

Multiple signal Touch Monitor

TM-PCA/PRA Series: Panel mount & VESA mount;
Front IP65 protection; Multiple signal inputs: 1 HDMI, 1 DP, 1 DVI, 1 VGA

Dual signal Touch Monitor

TM-PC/PR Series: Panel mount & VESA mount;
Front IP65 protection; Dual signal inputs: 1 DVI, 1 VGA

TM-PCA/PRA
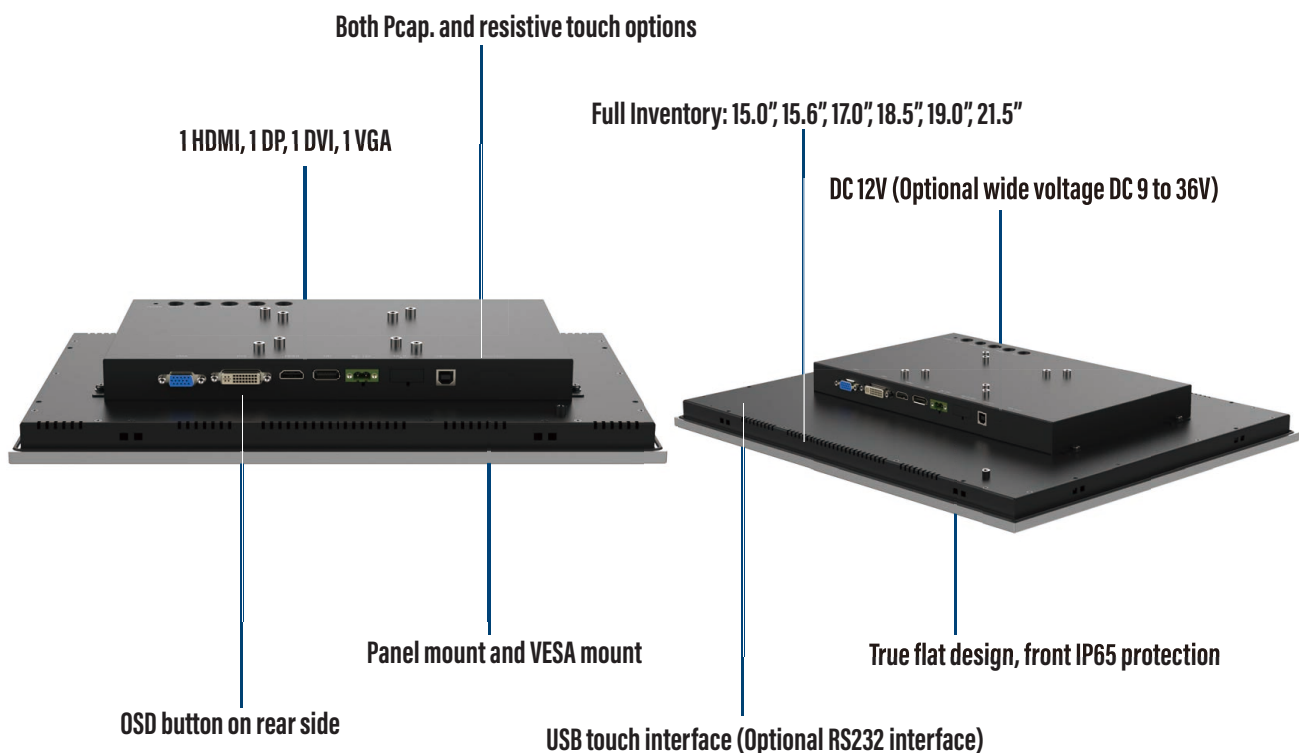## Multiple signals Touch Monitor Series

Industrial Panel mount touch monitor with multiple signal inputs: 1 HDMI, 1 VGA, 1 DP 1 DVI; Front IP65 protection; VESA mount

Overview

The TM-PCA/PRA are modular concept designed & manufactured, panel mount industrial HMI touch monitor series. This true flat industrial monitor are fully inventory from 15.0" to 21.5" dimensions, can offer both 10 points Pcap. touch and 5-wires resistive touch under the same cut-out dimension.

The TM-PCA/PRA series design with multiple signal inputs, include 1 HDMI, 1 DP, 1 DVI, 1 VGA. Its power input is DC 12V, optional with wide voltage DC 9 to 36V; This front IP65 industrial monitor is optional with RS232 touch interface, and high brightness 1000 nits for outdoors applications.

Features

Both Pcap. and resistive touch options

Full Inventory: 15.0", 15.6", 17.0", 18.5", 19.0", 21.5"

1 HDMI, 1 DP, 1 DVI, 1 VGA

DC 12V (Optional wide voltage DC 9 to 36V)

Panel mount and VESA mount

True flat design, front IP65 protection

OSD button on rear side

USB touch interface (Optional RS232 interface)

Selecting Guide

TM	-	PCA	215	
TAICENN Monitor	**Touch Type**	**Dimension & Resolution**	**IO & Description**	
TM	PCA (Pcap.) PRA (Resistive)	150 (15.0", XGA 1024*768) 156 (15.6", WXGA 1366*768) 156H (15.6", FHD 1920*1080) 170 (17.0", SXGA 1280*1024) 185 (18.5", WXGA 1366*768) 185H (18.5", FHD 1920*1080) 190 (19.0", SXGA 1280*1024) 215 (21.5", FHD 1920*1080)	1 HDMI, 1 DP, 1 DVI, 1 VGA, 1 USB, DC 12V	

TM-PC/PR
Dual signals Touch Monitor Series

Overview

The TM-PC/PR are modular concept designed & manufactured, panel mount industrial HMI touch monitor series. This true flat industrial monitor are fully inventory from 10.4" to 21.5" dimensions, can offer both 10 points Pcap. touch and 5-wires resistive touch under the same cut-out dimension.

The TM-PC/PR series design with dual signal inputs, include 1 DVI, 1 VGA. Its power input is DC 12V, optional support wide voltage DC 9 to 36V; This front IP65 industrial monitor is optional support RS232 touch interface, and high brightness 1000 nits for outdoors applications.

Features

Both Pcap. and resistive touch options

Full Inventory: 10.4", 12.1", 15.0", 15.6", 17.0", 18.5", 19.0", 21.5"

1 DVI, 1 VGA

DC 12V (Optional wide voltage DC 9 to 36V)

Panel mount and VESA mount

True flat design, front IP65 protection

OSD button on rear side

USB touch interface (Optional RS232 interface)
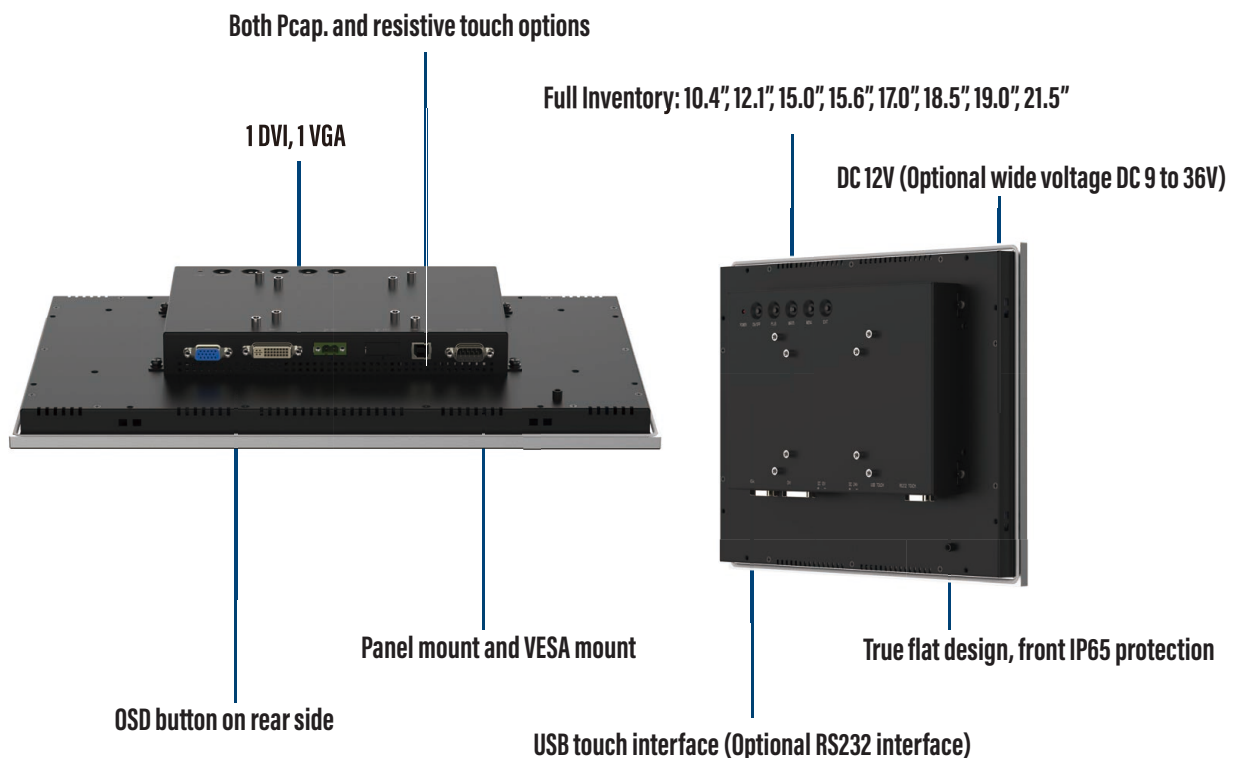
Selecting Guide

TM	-	PC	156H	
TAICENN Monitor	Touch Type	Dimension & Resolution	IO & Description	
TM	PCA (Pcap.) PRA (Resistive)	104 (10.4", XGA 1024*768) 121 (12.1", XGA 1024*768) 150 (15.0", XGA 1024*768) 156 (15.6", WXGA 1366*768) 156H (15.6", FHD 1920*1080) 170 (17.0", SXGA 1280*1024) 185 (18.5", WXGA 1366*768) 185H (18.5", FHD 1920*1080) 190 (19.0", SXGA 1280*1024) 215 (21.5", FHD 1920*1080)	1 DVI, 1 VGA, 1 USB, DC 12V	

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