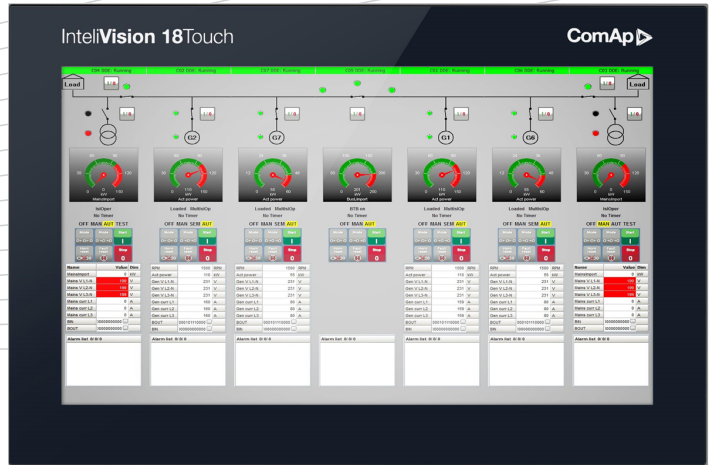# ComAp
The heart of smart control

InteliVision 18Touch

Order code: RD31840PBIE

18.5" display unit for ComAp controllers

Datasheet

Product description

The new InteliVision 18Touch is the natural successor to the InteliVision 17Touch. It is designed as an easy-to-use Windows based panel suitable for use with a wide range of ComAp controllers. InteliVision 18Touch features 18.5" LED backlit projected capacitive touchscreen with a resolution of 1366x768 pixels. Its front protection complies with IP66 and operating temperature extends from -10 °C to +60 °C. Smooth operation is ensured by powerful Intel processor. It is possible to connect it to ComAp controllers using Ethernet or RS232/RS485. Both mounting into a panel and onto a wall (VESA standard) are possible.

Key features

▶ Powerful Intel® Celeron® quad core processor J1900

▶ Multitouch projected capacitive display

▶ 3 × USB, 2 x mini-PCIe sockets, 1 × CFast, 2 × RS232/422/485

▶ 32 GB SSD

▶ Front protection compliant with IP66

▶ Mounting support: panel/wall/stand/VESA 100mm × 100mm

▶ Power input 12-30 V DC

▶ Windows operating system

Application overview
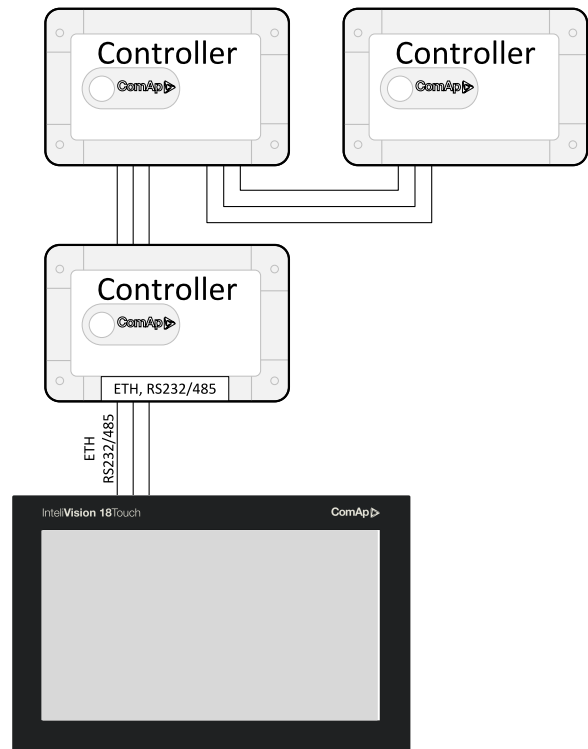
Technical data

Power supply

Power Supply Range	12-30 VDC

Operating conditions

Operating Temperature	-10°C to 60°C
Storage Temperature	-20°C to 75°C
Vibration	IEC 68 2-64 (w/ HDD) 1Grms @ sine, 5~500Hz, 1hr/axis (HDD operating) 2Grms @ sine, 5~500Hz, 1hr/axis (CFast operating) 2.2Grms @ random condition, 5~500Hz, 0.5hr/axis (non-operating)
Humidity	10%~90% relative humidity (non-condensing)
Shock	IEC 68 2-27 HDD: 20G@wall mount, half sine, 11ms

Interfaces

Rear I/O	2 × RS232/422/485 2 × USB 2.0 1 × USB 3.0 VGA port: 1 × DB15 Audio port: 1× Line-out Ethernet: 2 × RJ45, 10/100/1000 Base-Tx

System

CPU	Intel® Celeron® quad core J1900 2.0 GHz (2.42 GHz turbo boost)
Memory	4 GB RAM
Storage Device	1x 32 GB Solid-state-drive 1x External locked CFast socket
Expansion	2 x mini-PCIe sockets support optional Wi-Fi, 3.5G module or fieldbus card

LCD specification

LCD panel	18,5" TFT-LCD
Resolution	1366 x 768 px
Luminance	300 cd/m^2
Contrast Ratio	1000
Viewing Angle	170° (H) / 160° (V)
Backlight	LED

Touchscreen

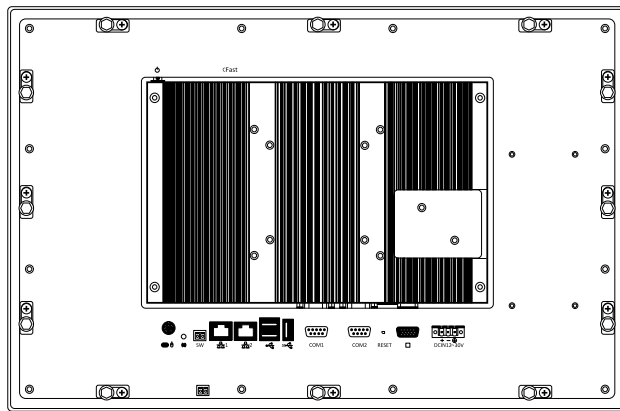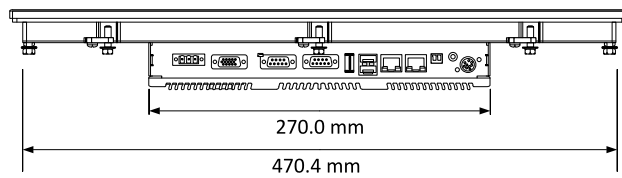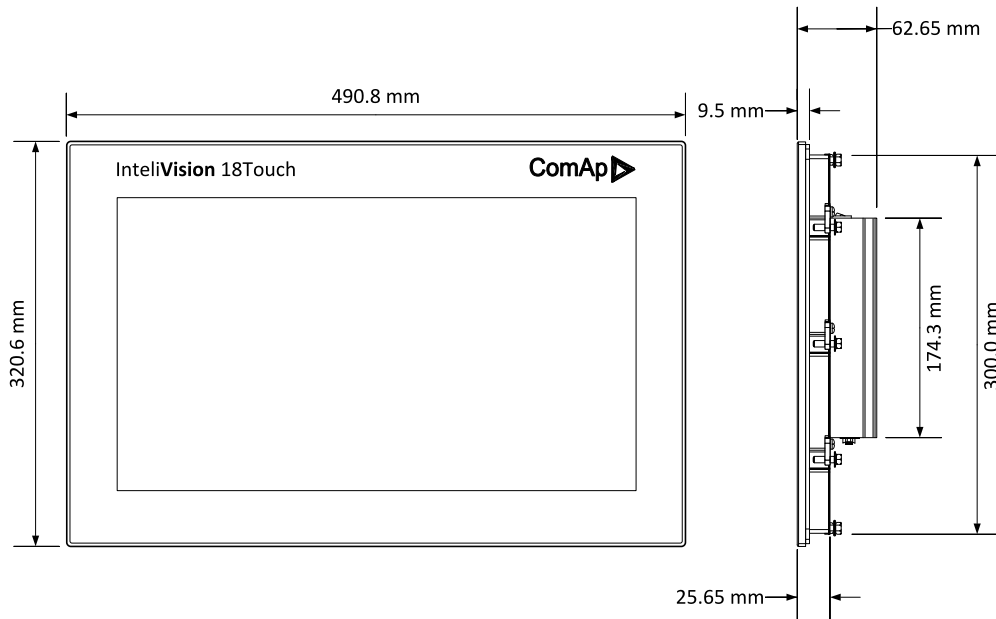|	
Type	Ten points P-Cap (Projected Capacitive Touch)
Light Transmission	87%
Anti-scratch Surface	7H hardness

Mechanical

Housing	IP66 (front)
Mounting	panel/wall/stand/VESA 100mm x 100mm
Weight	8.2 kg
Dimensions	490.8 x 320.6 x 62.65mm

Operating system

OS	Windows Embedded Standard 7/ Windows 10 IoT Enterprise – 2019 LTSC – EPKEA – Entry – Runtime

Dimensions, terminals and mounting

InteliVision 18Touch

490.8 mm

320.6 mm

62.65 mm

9.5 mm

174.3 mm

300.0 mm

25.65 mm

270.0 mm

470.4 mm

cFast

SW   COM1   COM2   RESET   DCIN12-30V

472.4±1

302.2±1

CUT OUT SIZE T=12MM (MAX)

12
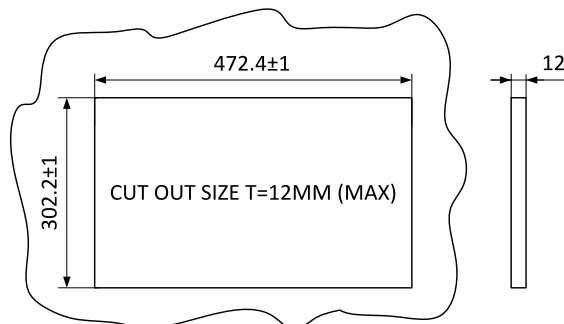
Related products

Product	Description	Order code
InteliSys Gas	Industrial grade controller for gas gen-set based CHPs and power generation applications	I2GASXXBAB
InteliSys^{NTC} BaseBox	Premium Parallel Gen-set Controller	IS-NTC-BB
InteliGen^{NTC} BaseBox	Complex Parallel Gen-set Controller	IG-NTC-BB
InteliMains^{NTC} BaseBox	Mains Supervision Controller Base Unit	IM-NTC-BB
InteliGen^{NT}	Complex Parallel Gen-set Controller	IG-NT GC
InteliSys^{NTC} Hybrid	Hybrid system controller	IS-NTC HYBRID
InteliMains^{NT}	Mains Supervision Controller	IM-NT GC
InteliDrive DCU Marine	Modular Certified Engine Controller for Marine Applications	ID-DCU MARINE
InteliGen^{NT}BaseBox	Complex Parallel Gen-set Controller with Detachable Colour Display	IG-NT-BB
InteliLite^{NT} MRS 15	Manual Remote Start (MRS) Gen-set Controller	IL-NT MRS15
InteliCompact^{NT} MINT	Genset Controller for Gensets in Multiple Parallel Applications	IC-NT MINT
InteliLite AMF 25	New generation of the most advanced Auto Mains Failure (AMF) gen-set controller	IL3AMF25BAA

Certificates and standards

▶ CE
▶ FCC class A

CE FC UL LISTED c US

I.T.E
15CR
E465230

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