ComAp
The heart of smart control

InteliVision 18Touch G3



Order code: RD3IV18TBPE

18.5" display unit for ComAp controllers

Datasheet

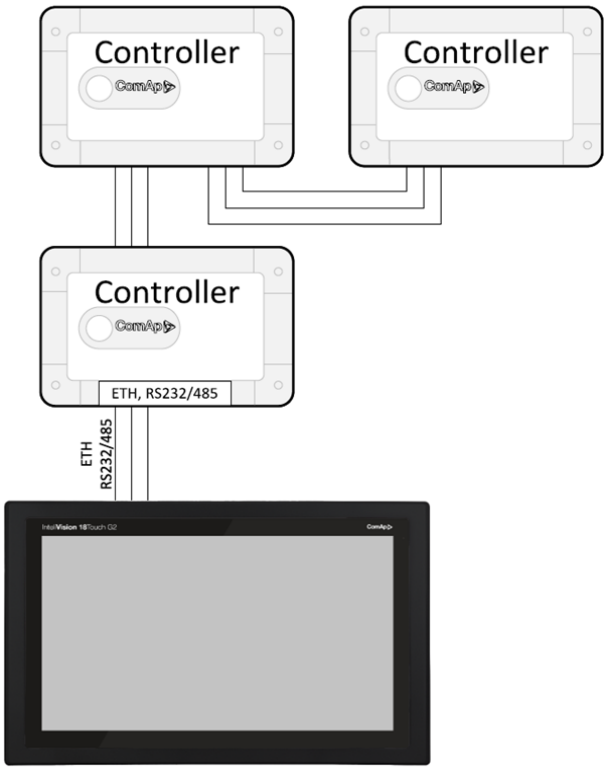
Product description

The InteliVision 18Touch G3 is the latest generation of ComAp's flagship 18.5" display panel, succeeding the InteliVision 18Touch G2. Designed for monitoring and control of complex installations with multiple ComAp controllers. It features a projected capacitive multi-touch screen with Full HD 1920×1080 resolution. The IP66-compliant front panel and extended operating temperature range of −20 °C to +60 °C ensure reliable performance in demanding environments. Powered by Intel 12th Gen. Alder Lake-P processors with a fanless design, it delivers significantly improved performance over its predecessor. The unit comes with ComAp InteliSCADA pre-installed and can be connected to compatible controllers via Ethernet.

Key features

- Support for most ComAp controllers
- Intel® 12th Gen. Core i5 Alder Lake-P processor
- ComAp InteliSCADA Lite pre-installed
- Fanless design for silent, maintenance-free operation
- IP66 compliant front panel
- 8 GB DDR4 RAM, 80 GB NVMe SSD storage
- 2 × GBE LAN (Intel I219LM + I210AT)
- 2 × USB 3.2, 2 × USB 2.0
- 3 × RS-232/485 ports for extended serial connectivity
- Windows 11 IoT (LTSC) operating system

Application overview



Technical data

Power supply

Power Supply Range	9–36 VDC
Power Consumption	72 W (max)

Operating conditions

Operating Temperature	-20 °C to 60 °C
Storage Temperature	-30 °C to 70 °C
Humidity	10% to 95% at 40 °C (non-condensing)
Heat radiation	53.64 W

Interfaces

USB	2 × USB 3.2 Type A 2 × USB 2.0 Type A
Serial / Parallel	1 × DB9 Type RS-485/422/232 (COM1, BIOS selection, RS-232 is default) 1 × DB9 Type RS-485/422/232 (COM2, BIOS selection, RS-232 is default) 1 × DB9 Type RS-232 (COM3)
LAN	1 × RJ45 Type Intel I219LM GbE LAN 1 × RJ45 Type Intel I210AT GbE LAN
Power	1 × terminal block, 9–36 VDC power input

System

CPU	Core i5-1235U (2P/8E/12T, P-core: 4.4 GHz, E-core: 3.3 GHz, 15 W TDP)
Memory	2 × DDR4 3200 MHz SO-DIMM, 8 GB total
System Chipset	SoC
Storage Device	1 × M.2 Key-M slot for NVMe (PCIe, 2280), 80 GB total

LCD specification

LCD panel	18.5” TFT-LCD
Resolution	1920 × 1080 px
Max. Colour	16.7M
Luminance	350 cd/m^2
Contrast Ratio	1000 : 1
View Angle	178° horizontal / 178° vertical
Backlight Lifetime	50 000 hrs

Touchscreen

Type	Projected Capacitive Touch
Light Transmission	Projected Capacitive Touch: over 90%

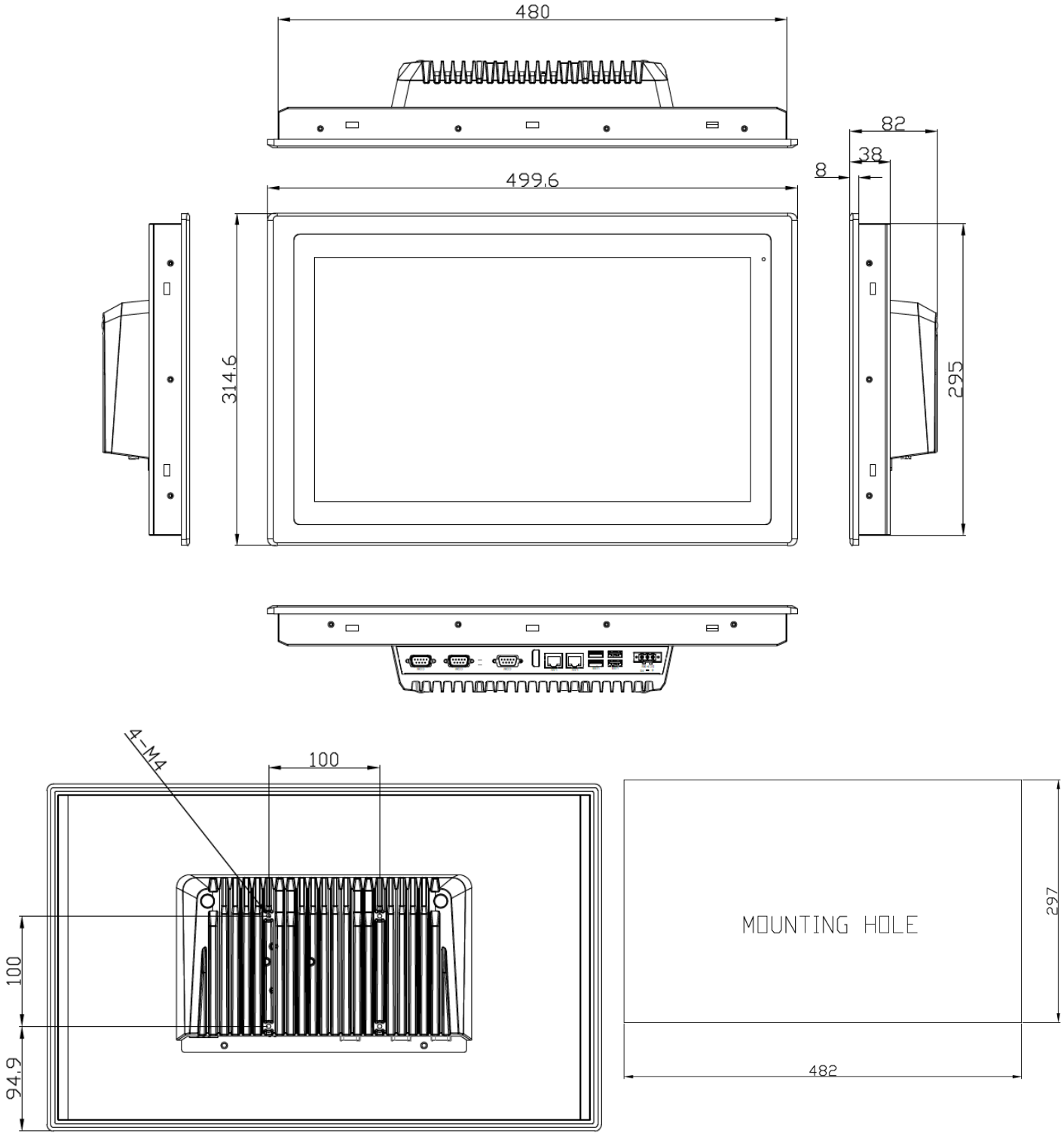
Mechanical

Housing	IP66 Compliant Front Bezel
Colour	RAL 7021
Construction	Aluminium die-cast chassis
Net Weight	6.7 kg
Dimensions (W × H × D)	499.6 × 314.6 × 82 mm
Mounting	Panel Mount, VESA 100 × 100

Operating system

OS	Windows 11 IoT (LTSC)

Dimensions, terminals and mounting



Note: *Dimensions are in mm (tolerance ±0.5 mm).*

Related products

Product	Description
InteliSCADA	The new monitoring tool for the new and current controllers

For a list of compatible products see the **Supported ComAp Devices** chapter in the InteliSCADA Global Guide.

Certificates and standards

Note: *)
This device complies with Part 15 of the FCC Rules.
Operation is subject to the following two conditions:

1. *This device may not cause harmful interference, and*
2. *This device must accept any interference received, including interference that may cause undesired operation.*

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