InteliVision 17Touch

Display Unit for Controllers

IV17T

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Operator Guide

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General Guidelines

Conformity declaration

Following described machine complies with the appropriate basic safety and health requirement of the EC Low Voltage Directive No: 73/23 / EEC and EC Electromagnetic Compatibility Directive 89/336 / EEC based on its design and type, as brought into circulation by us.

CAUTION!
Use the device according to instruction in manual only to ensure the protection provided by this device. This protection can be affected by using of the device any other way.

Note:
ComAp believes that all information provided herein is correct and reliable and reserves the right to update at any time. ComAp does not assume any responsibility for its use unless otherwise expressly undertaken.

The device operates under Microsoft Windows XP Pro or Microsoft Windows XP Pro Embedded. The user is obliged to comply with the license conditions set by Microsoft for the operating system.

Introduction

InteliVision 17Touch is designed for complete monitoring and control of multiple controllers or complex installation, with large numbers of measured values (CHP). Optimized for ease of use, installation and configuration, the touch screen enables users to create touch buttons linked to another screens, with the option of directly controlling gen-sets or breakers. InteliVision 17Touch can communicate via standard interfaces such as RS232, RS485, Ethernet & USB. The display comes with PC SCADA software enabling the users to configure freely their screen with different types of items like meters, bargraphs, numeric values, control buttons, pictures etc. The software enables users to check the history of multiple controllers and change Setpoints from one place. InteliVision 17Touch is designed to mount into a panel in power distribution room or on the wall using VESA standard (option).

Available Related Documentation

PDF files	Description
InteliVision 17Touch-1.0-Quick Installation Guide-r1.pdf	Installation Guide for IV17T
InteliVision 17Touch-1.0-Reference Guide-r1.pdf	Reference Guide for IV17T
InteliVision 17Touch-1.0-Operator Guide-r1.pdf	Operator Guide for IV17T

Panel description

Power on

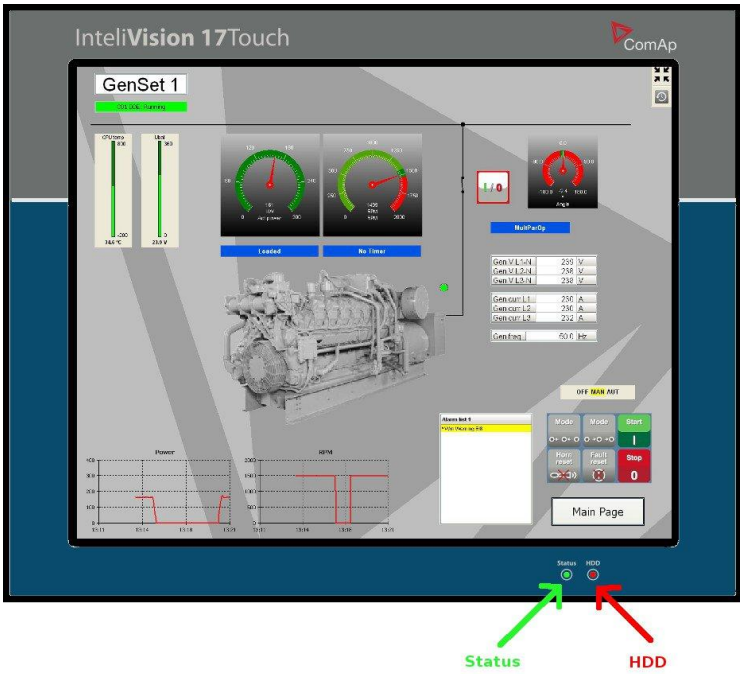
If the unit is not powered on, press and release power button located on bottom site of IV17T. You need access to rear side of panel. Panel will boot up, start SW with SCADA and connect to last used site.

Power off

To power unit off, press power button shortly. Windows will shut down and IV17T power off automatically. Wait for complete power off (Status LED is off) before disconnecting power cable. You can also power unit off by pressing **Start**, **Turn Off Computer**, **Turn off** from normal mode.
Always use this procedure to power panel off before disconnecting electric power.

Front side

On front side is located 17” LCD screen with touch sensor. There are no buttons, control is via touch screen.



On bottom side of frame are located 2 LEDs.

Status (Green) indicate that unit is powered on

HDD (Red) indicate operation with internal hard drive

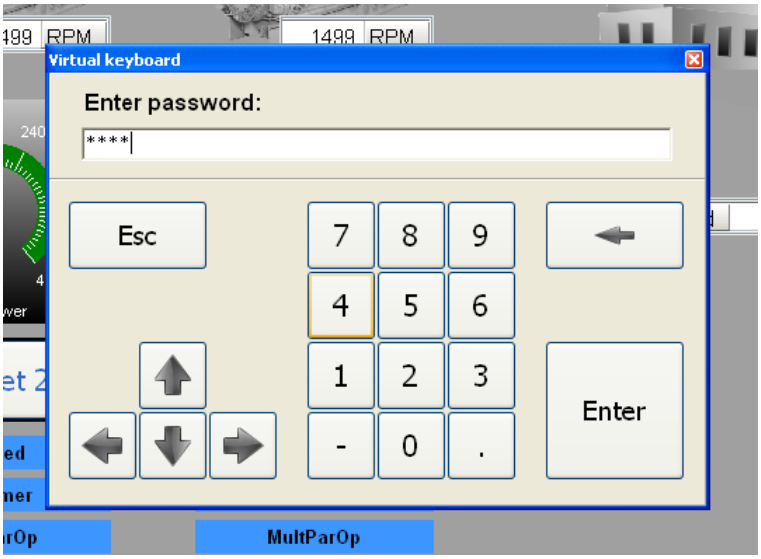
Operation modes

Two modes of operation are possible:

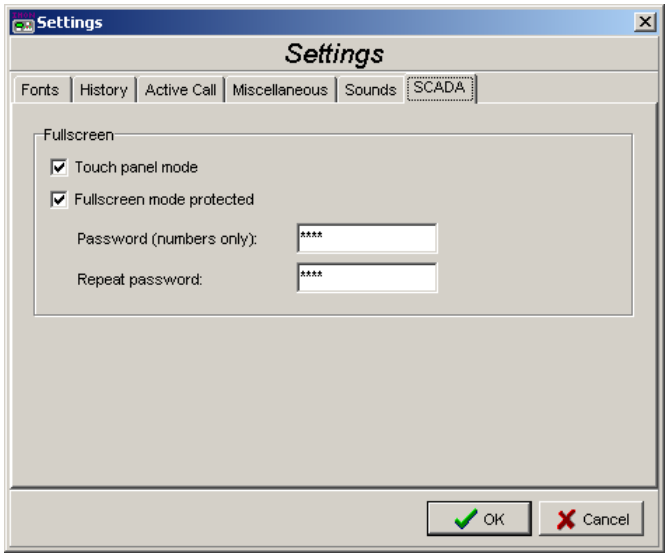
Normal mode – in this mode you have available all menus, status bars etc. Usually use this mode when creating SCADA or when changing some settings.

Full screen mode – in this mode are hidden all bars (status, menu...) and displayed is only SCADA window itself.

To switch to full screen mode, use button  located on right-up corner of screen. To switch back to normal mode, use button  located on the same place. When normal mode is protected by password, you will be asked for it. Use On-screen keyboard to enter password.



Password can be set in normal mode in **Settings – SCADA**.



If Touch panel mode is checked, in Full screen mode on-screen keyboard automatically appear if some enter is expected.

Full screen mode

Use this mode for standard operation of IV17T. You can use instruments created during SCADA preparation process described in InteliVision17Touch-1 0-Reference Guide 1.1.pdf.

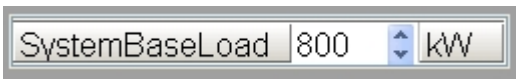
Link button

If set, you can change screens by pressing Link buttons like this:

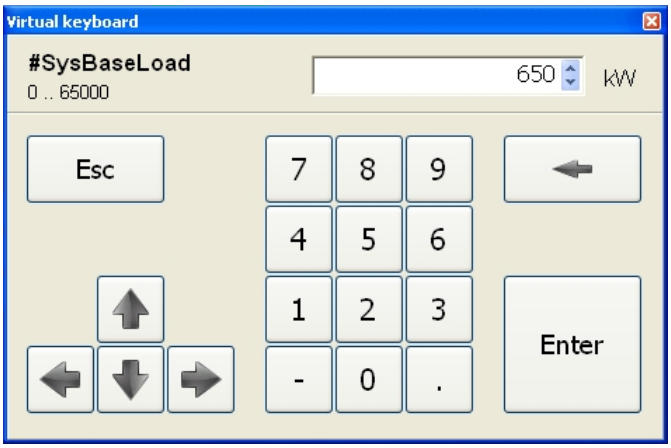
Press it and new screen appear regarding on SCADA layout.

Data field

Also is possible change some setpoints when this field is placed on the screen. There is example how to change SystemBaseLoad. Press twice on number in setpoint field. If field with number is gray, you have no rights to change this setpoint.



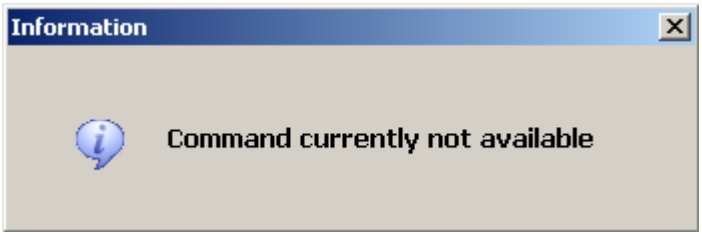
You get window with on-screen keyboard to enter new value and press Enter



Virtual keyboard closes and new setpoint value is displayed in box with gray backgroud. It indicate, that writing setpoint into controller is in progress. After that, background change to white colour.

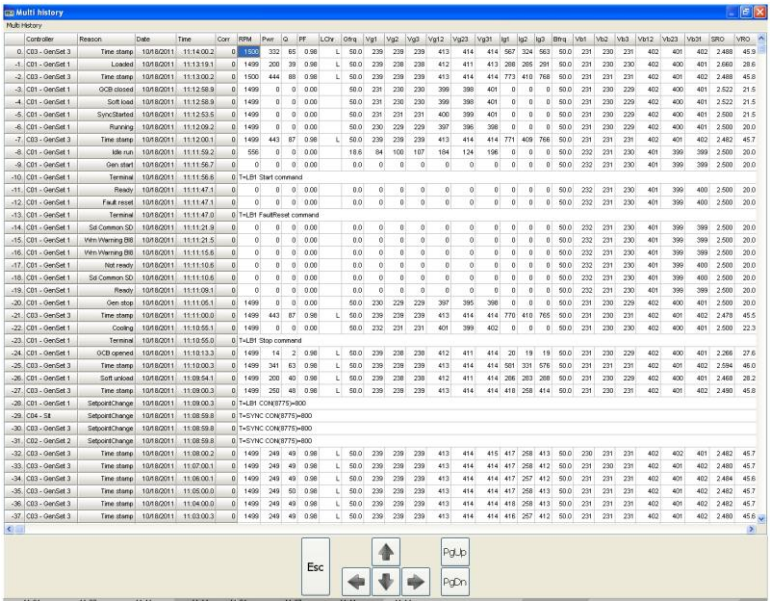
GenSet / Breakers buttons

If available on screen, you can control Genset (start/stop, change mode...), breakers (close/open GCB, MCB, MGCB...) by pressing appropriate buttons. If you press button and command can not be executed following message appear on screen and disappear automatically after a few seconds. It happends for example if you want to close GCB when GenSet is stopped or when you want to start GenSet in OFF mode.



History button

If you are in Full screen mode, you can display History by pressing  button in right-up corner of screen.



Use on-screen buttons to navigate in screen and close window.

Technical Data

The device is intended to be used in the engine room or on the engine directly.

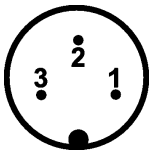
Power Supply

Value	IV17T
Voltage supply	12-36V DC for continuous operation 8VDC for 5 seconds, 10VDC for 15 seconds. Higher ambient temperature can decrease this time
Consumption depends on supply voltage	6A at 8VDC
	5.5A at 9VDC
	4A at 12VDC
	3A at 18VDC
	2.5A at 24VDC
	2A at 36VDC

Attached is external power supply 100-240Vac, 50-60Hz / 12Vdc (5A) with detachable power cable.

Note:
Attached is European power cable. On one side is IEC 60309 CEE 7/7 UNISCHUKO plug, on second one IEC 320 C13 (standard PC power connector).

Power connector (panel view)



1 – +12-36VDC
2 – GND
3 – Not connected

Operating Conditions

Operating temperature	-10...+50°C
Storage temperature	-20...+60°C
Humidity	5%-95%, 40°C Non-condensing
Vibration	5-17Hz，0.1inch double amplitude displacement；17-640Hz，
Impact	10G peak-peak acceleration，the duration is 15ms in the X,Y,Z.
EMC	FCC/CE Class A

Dimensions and Weight

Dimensions	Front panel 419 x 340mm
Cut-out	395 x 330mm
Weight	10.8kg

Communication Interface

RS232 Interface
Maximal distance 10m
Speed up to 57.6kBd

RS485 Interface
Maximal distance 15m
Maximal distance with external converter (optional) 1000m
Speed up to 57.6kBd

USB Master
USB 1.1/2.0

Ethernet
Maximal distance 100m
Speed 10/100Mbit

Operating System

Windows XP Professional (Embedded) EN

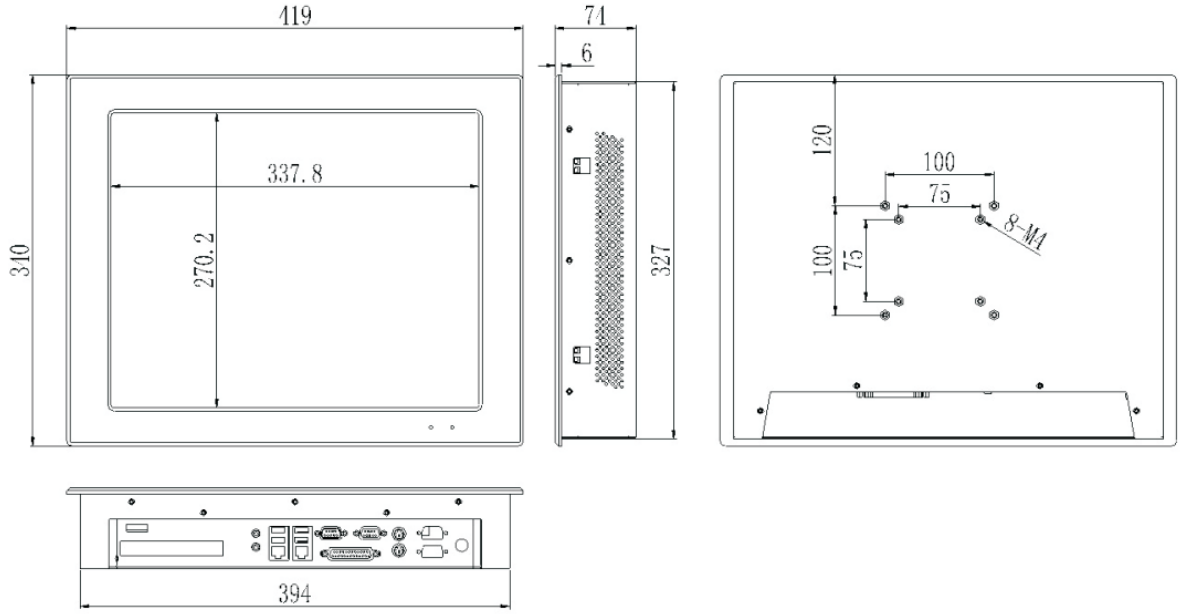
LCD Display

- 17" color TFT display with resolution of 1280 × 1024 pixels
- LCD display active area dimension 337.8mm x 270.2mm

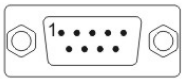
Touch sensor

- Type 5-wire resistive
- Operating pressure 25G
- Life more than 5 million times

Dimensions:



RS485 connector (COM3)



1 – A
2 – B