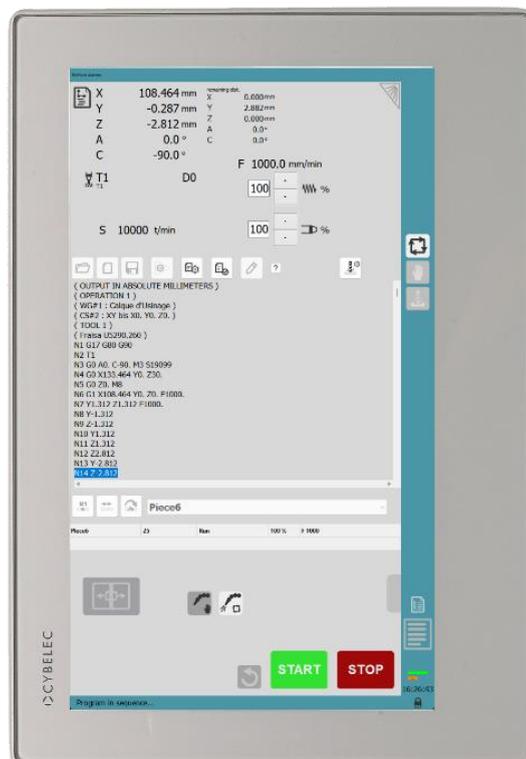


VisiTouch CNC is an outstanding numerical control for machine tools with a new solution all-in-one:

- Semi-compact control with a 19" modern streamlined glass surface Multi touch-screen and the CNC board mounted on the back of the screen.
- Full digital up to 24 axes with EtherCAT®
- Optimized wizard for axes motion control which allows high precision positioning.
- Multi-channel machining process
- Powerful processor capable of handling multitasking operation
- One architecture for all machines:
  - Turning
  - Milling
  - Drilling
  - Grinding
  - Punching
  - Laser cutting



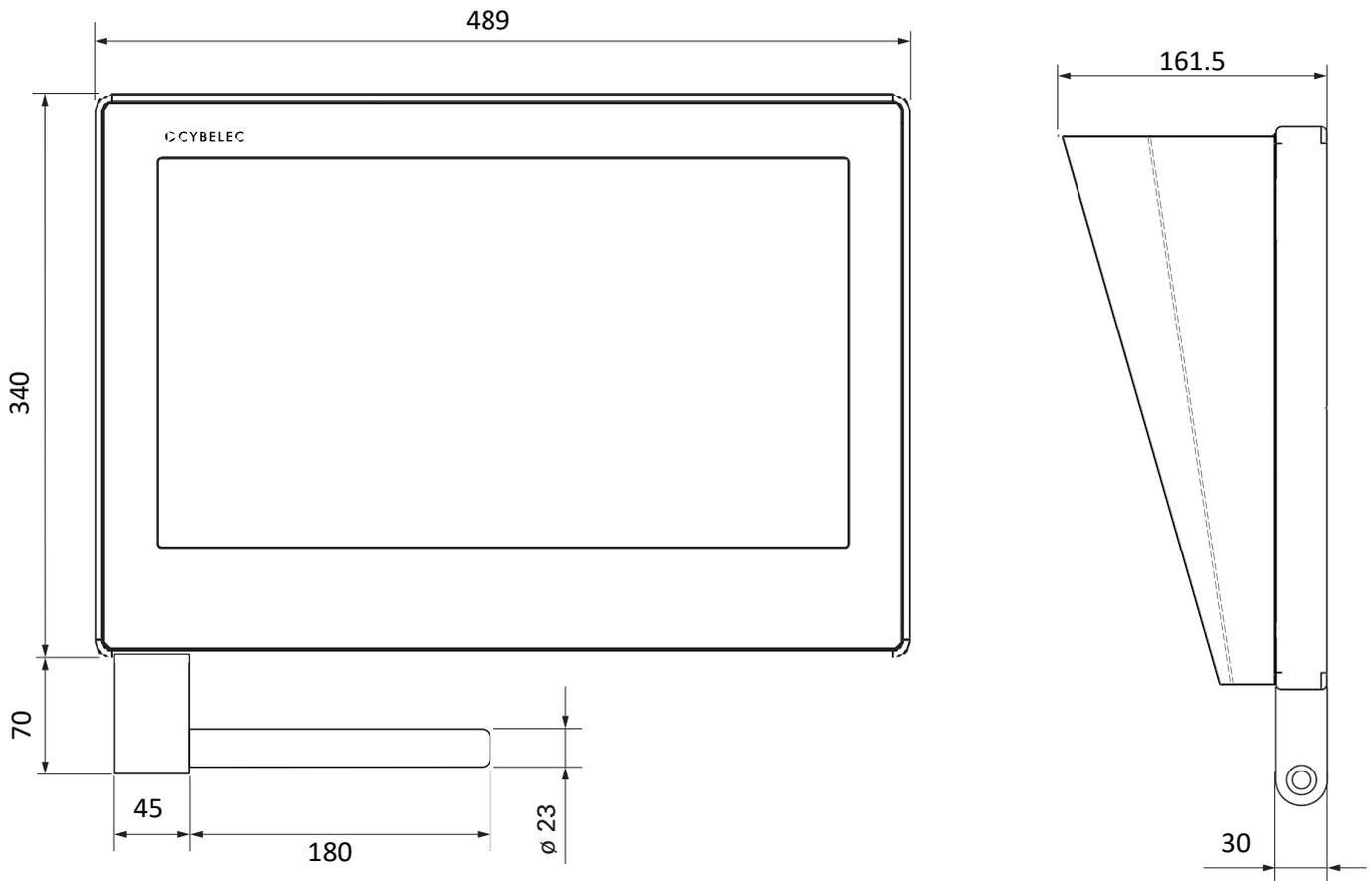
## Technical Characteristics – VisiTouch CNC

Display	
TFT screen	18.5" or 24" wide TFT 16:9
Resolution	1366 x 768, 24 bits (WXGA)
Touch screen	Glass PCAP Multi-touch 10 fingers
Seal	IP65 - front side only
Handle	Included
Operating conditions	Min. 5° Celsius, max. 40° Celsius. If the ambient temperature approaches or exceeds 40° Celsius, it is advisable to install special ventilation, or even air-conditioning. Relative humidity (10 to 85% non-condensing).
EC Directives	IEC 61131-2
Weight	5.20 Kg

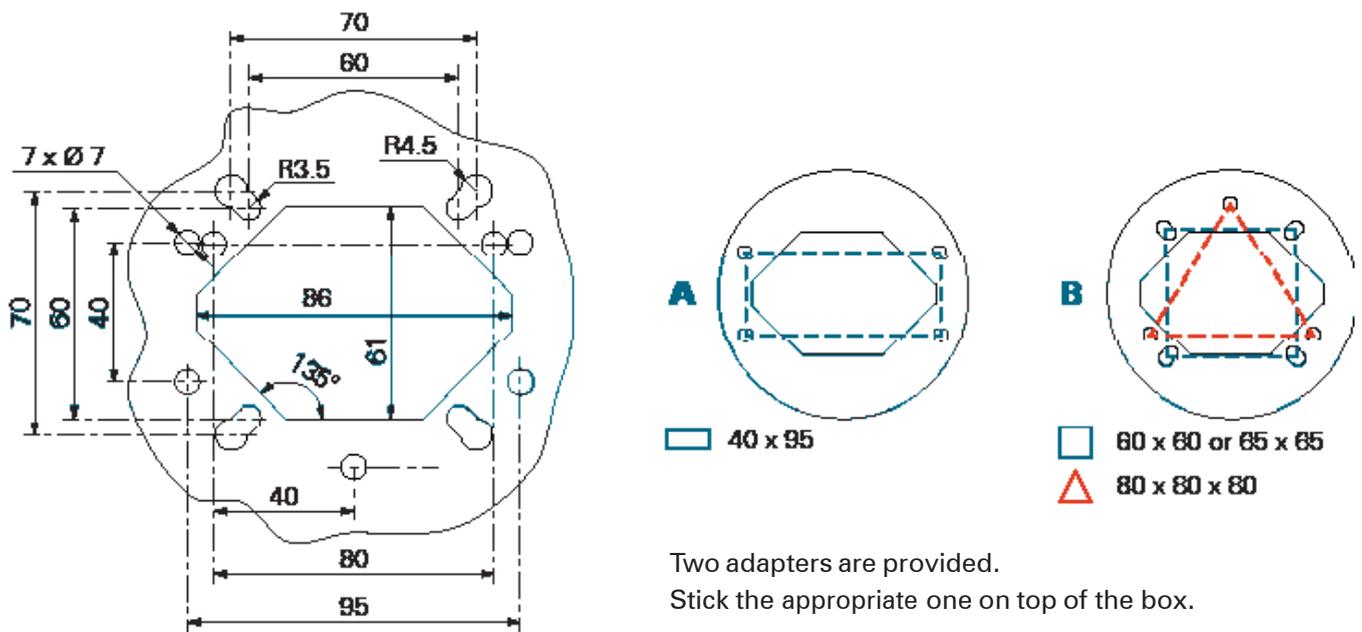
CNC board		
Operating System		Windows 10
Processor Unit	Model	Intel Atom x7-E3950 Quad core @1.6GHz
	Graphic RAM	Intel Gen 9LP Graphics 8 GB DDR RAM
	Cooling	Passive Heat sink, FAN less
Mass Storage	Capacity	32 GB CFAST memory card SATA 16 GB eMMC
Display Interface		DVI Up to 1920x1600, single-link DVI-D interface LVDS Up to 1920x1200, dual channel LVDS mode 18bpp or 24bpp
Communication		LAN 1x Gigabit Ethernet, RJ-45(10/100/1000) USB 4x USB (1x USB 3.1, 3x USB 2.0) 1x USB 2.0 (dedicated to local Touch-Screen) COM 1x RS-232C/RS-485 (D-sub 9-pin male, Data flow 115kbps) Wi-Fi USB compatible 4G-5G USB compatible
Operating temperature		0 - 40°C
Power Supply (Numerical Control)		+24V <sub>dc</sub> @0.8A typ.(CN without I/O – X1 connector)
Power Supply (Digital I/Os)		+24V <sub>dc</sub> @ 20A max.
RTC – Calendar Clock		Battery Lithium CR2032 / 3V @225mA/h
I/O Processor		ARM Cortex M7 series – STM32F765 @216MHz
Axes		24 automation and motion control axes
Digital Input		6 4mA typ. according to IEC61131-2 type 1 & 3 Isolation 2kV Filtering – debouncing and deglitching (by step of 250µs) 2 Fast digital input for 24V <sub>dc</sub> Handwheel
Digital Output		4 0.5A typ. /0.7A max. according to IEC61131-2 type 3 Isolation 2kV Overvoltage and Short circuit protection Status – output in fault and no 24V IO power supply
Fieldbus Interface		2 CANopen 1Mbps CAN 2.0 A, RJ-45, CANopen Master/Slave 1 EtherCAT 100Mbps EtherCAT, RJ-45, Master Stack

# Dimensions

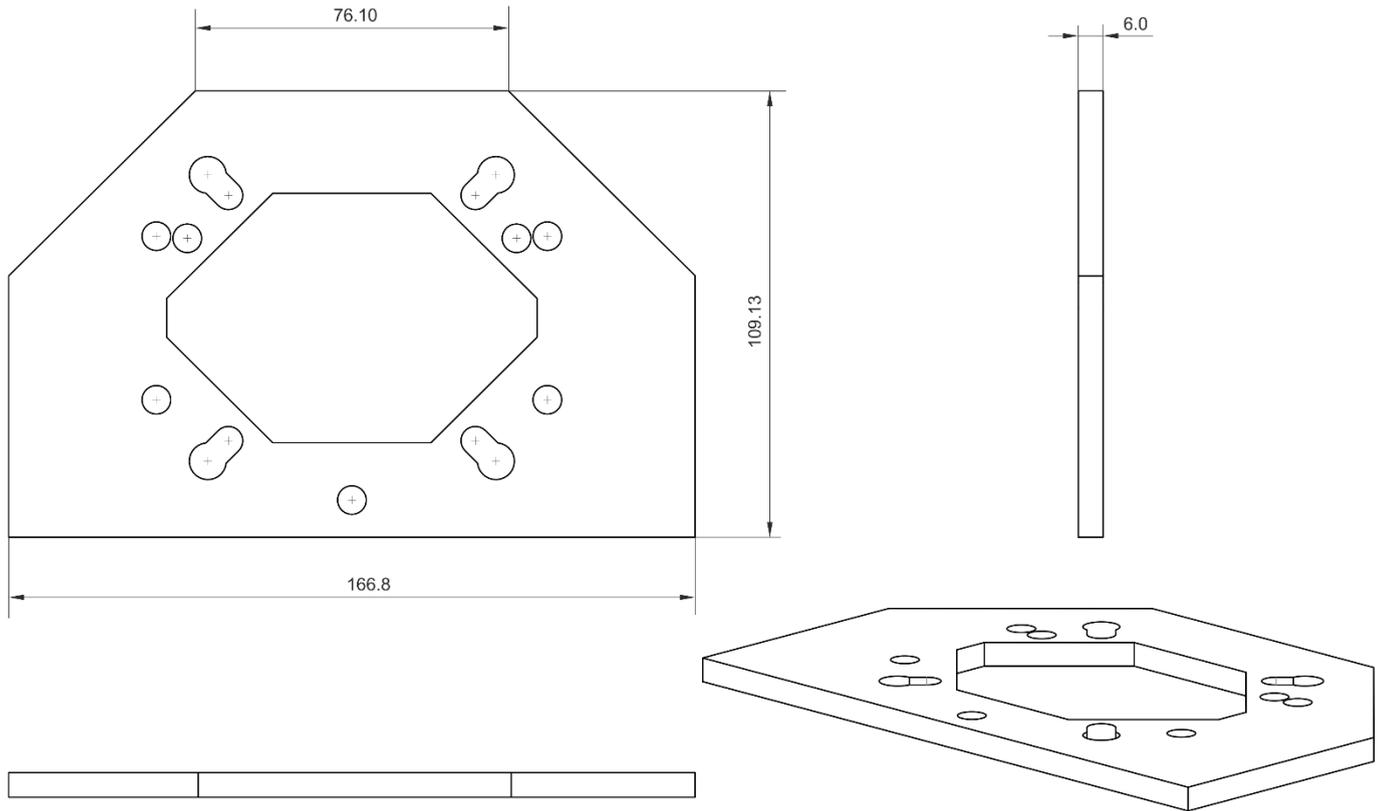
## Housing Version



## Attachment dimensions

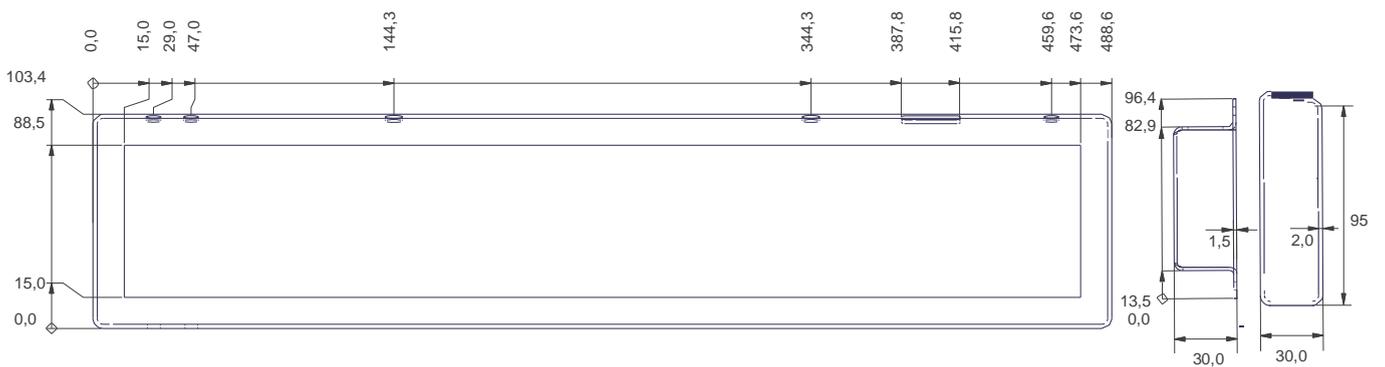


## ALU spacer for VT and VP fixing dimensions



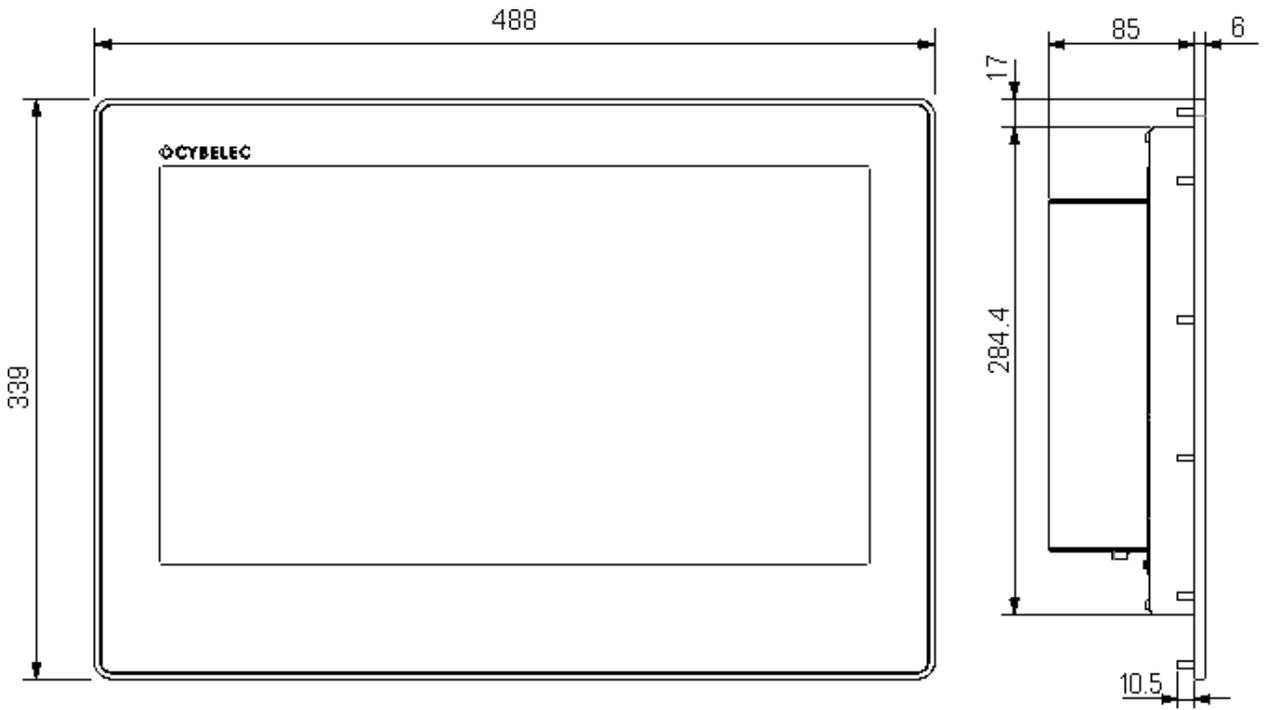
## Dimensions

### Auxiliary box



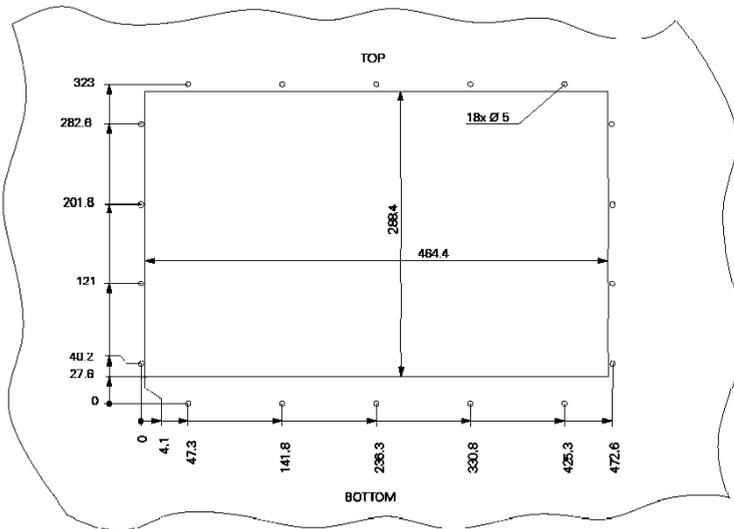
# Dimensions

## Panel version

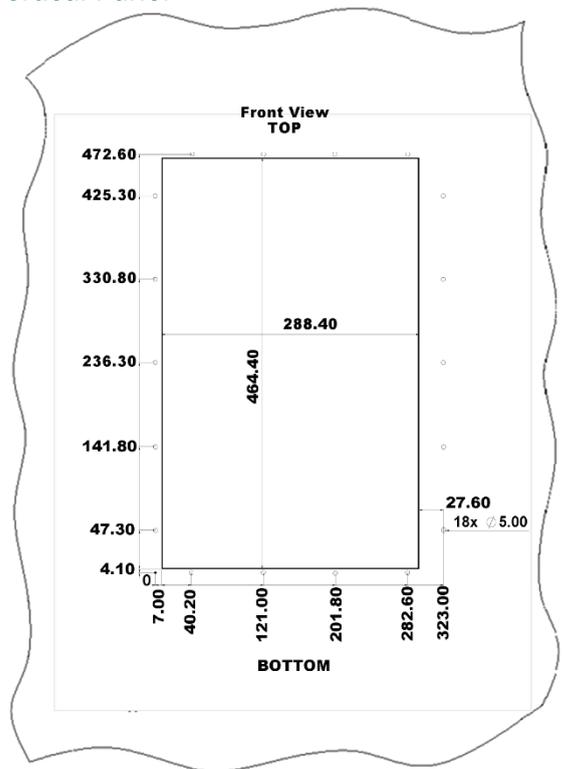


## Integrating opening dimensions

### Horizontal Panel



### Vertical Panel



## Ordering information

### VisiTouch CNC controls

VSP-80MO/VP	VisiTouch CNC, MO, 1 ISO channel, vertical panel
VSP-80MO/HP	VisiTouch CNC, MO, 1 ISO channel, horizontal panel
VSP-80MO	VisiTouch CNC, MO, 1 ISO channel, horizontal housing

### VisiTouch CNC accessories

S-OPT-BTAUX-S/E	Auxiliary box
UPS-DP1-CNF-075	UPS system with battery, 24V DC, 3A with USB cable 7,5 m
M-300-0013B	ALU spacer fixing

### Software options

OFT-AMO	CNC axis license
OFT-PMO	PLC axis license
OFT-CHN	License ISO channel
OFT-PCP	License to program part coordinates -TTP
OFT-DRO	License to manage fast inter-operation optimized movements
OFT-CAT	Axis calibration license (correction table), per axis
OFT-CYP	Probing cycles license
OFT-CYG	Engraving cycles license
OFT-GNC	Consecutive numbering engraving license
OFT-GOF	Tool life management license
OFT-MEO	Tool measurement license
OFT-MOT	Tool changer in masked time license

### Cybio module cards

IOM-CPU-6C	Fieldbus coupler, CANOpen
IOM-CPU-6E	Fieldbus coupler, EtherCAT
IOM-DI12O8-1A	Digital module, 12 isolated digital input, 8 isolated digital output
IOM-DI8O12-1A	Digital module, 8 isolated digital input, 12 isolated digital output
IOM-AI6O4-1A	Analog module, 6 Analog input , 4 Analog output
IOM-ENC-2A	Encoder module, 2 Counter/encoder input , Counter Range: 32-bit
IOM-AXIS-2A	Axis controller module, 2 Servo Drive
IOM-VA6C-1A	Axis controller module, 6 Servo Valve, Current output: 0...4A, LVDT
IOM-VA4V-1A	Axis controller module, 4 Servo Valve, Voltage output: +/- 10V

### PC offline software

OFT-VST-MO	PC offline software VisiTouch CNC
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