| Display | VT565W | VT575W | VT585W(B) | VT595W |
|---|---|---|---|---|
| Type | Graphic LCD 8 tones of grey/256 colors STN | Graphic LCD 256 colors STN | Graphic LCD 256 colors TFT | Graphic LCD 256 colors TFT |
| Touch Screen Matrix (cell dimension in pixels h-v) | 20x16 (16x15) | 40x30 (16x16) | 40x30 (16x16) | 50x40 (16x15) |
| Backlighting | CCFL | | | |
| Min. lamp life at 25°C (h) | 25.000 | 15.000 | 30.000 | 50.000 |
| Resolution pixels h-v (inches) | 320x240 (5,7”) | 640x480 (7,5”) | 640X480 (10,4”) | 800X600 (12,1”) |
| Display area size (mm h-v) | 115,17x86,37 | 158x118 | 211,2 x 158 | 246x185 |
| Columns by Rows/Character dimensions | Depending on used Font | | | |
| Contrast adjustment | Software | | | |
| Character set | Programmable fonts/TTF Windows® | | | |

| User memory | | |
|---|---|---|
| Project (text+graphic) (bytes) | 192K + 832K | 960K + 6M |
| Recipes/Alarm buffer (bytes)[1] | 128K/8K RAM | 128K/8K FLASH |
| Memory card for backup (bytes) | 4M | 8M |

| Interfaces | |
|---|---|
| MSP serial port | RS232/422/485/TTY 20 mA |
| ASP serial port[2] | RS232/RS485 (15 pin) |
| LPT parallel port | Centronics |

| Networks | | | | |
|---|---|---|---|---|
| Integrated (option) | - | Ethernet | Ethernet | Ethernet |
| Optional[3] | Profibus-DP, Interbus-S, CAN | | | |
| ESA-Net (variables) | Server (256), Client | Server (512), Client | | Server (1024), Client |

| Dimensions | | | |
|---|---|---|---|
| External (W x H x D) (mm) | 210x158x61,2 | 245,9x188,6x37,6 | 336,3x256x44 |
| Cut-out (W x H) (mm) | 198x148 | 233X176 | 314X240 |

| Technical data | | | | |
|---|---|---|---|---|
| Power supply/Power consumed (24 Vdc) | 18...32 Vdc/15 W | | | |
| Protection level | IP 65 (front) | | | |
| Operating temperature (°C) | 0...+50 | | | |
| Storage/transport temperature (°C) | -20...+60 | | | |
| Humidity (non-condensing) | <85% | | | |
| Weight (kg) | 1,4 | 1,5 | 1,9 | 2,1 |
| Certificates of approval | CE, cULus | | | |

| Main features | | | | |
|---|---|---|---|---|
| Project Languages | 8 | | | |
| Password levels/Bit passwords | 10/8 | | | |
| Pages/Fields per page | 1024/112 | 1024/256 | 1024/320 | 1024/400 |
| Format of variables | DEC, HEX, BIN, BCD, ASCII, Floating point | | | |
| Dynamic texts/Lists of images | Value depends on dimensions of project memory | | | |
| ISA alarms/Info-messages | 1024/1024 | | | |
| Help messages (pages/info messages/alarms) | 1024/1024/1024 | | | |
| Alarm history buffer | 256 | | | |
| Recipes (Number/Variables per recipe) | | 1024/512 | | |
| Trends (Memory/Number of samples) | 4096/320 | 6144/480 | 8192/640 | 8192/640 |
| Pipelines (Number/Total bytes) | 64/512 | | | |
| Macros (Number/Commands per macro) | 1024/16 | | | |
| Print pages (Total/Number of fields per page) | 1024/128 | | | |
| Automatic operations/Timers/Equations | 32/32/32 | | | |
| Max bargraphs per page (taken together with fields) | 112 | 256 | 320 | 400 |
| Indicators,potentiometers,selectors per page | 64 | 128 | 256 | 256 |
| Project images | BMP, JPEG, TIFF, PSD, WMF, PNG, EPS, ETC... | | | |
| Buttons per page | Number of buttons corresponding to the number of Touch-Screen cells | | | |
| Hardware Clock | With battery | Supercapacitor 72 hours | | |

① - Need battery (VT565W)
② - See model for availability: check table of codes on following page
③ - Obtainable using VTPROFI/DP, VTINTERBUS and VTCAN



The data in the table refers to VTWIN version 4.71
ESA elettronica S.p.A. reserves the right to make modifications without prior notice

# High Performance Touch screen terminals

VT575W
256-Color STN LCD
640 x 480 (7,5”)

VT595W
256-Color TFT LCD
800 x 600 (12,1”)

VT565W
8 Tones of gray/256-Color STN LCD
320 x 240 (5,7”)

VT585W(B)
256-Color TFT LCD
640 x 480 (10,4”)

ESA High Performance Touch Screen Terminals combine the ease-of-use of ESA’s standard touchscreens, plus advanced functions to satisfy the requirements of any application. Sophisticated graphic objects like potentiometers, sliders, dials and high resolution graphic displays are available. Multiple processors, one for the display and one for Communications allow high-speed operation.

Main characteristics (model dependant):
- Alarms, passwords, recipes
- Use of Windows® fonts
- Importation of graphic images in any format
- Moving graphic objects
- Two drivers run simultaneously
- Double driver moves data between two devices
- Parallel printing
- Integrated Profibus-DP and CAN
- Integrated Ethernet 10/100

| Touch Terminals codes and descriptions | |
|---|---|
| VT565W A0000 | Interfaces: MSP, ASP - Project: 1 MB - Recipes: 128 KB (Color) |
| VT565W AP000 | Interfaces: MSP, ASP, LPT - Project: 1 MB - Recipes: 128 KB (Color) |
| VT565W A0M00 | Interfaces: MSP, ASP - Project: 1 MB - Recipes: 128 KB (Tones of gray) |
| VT565W APM00 | Interfaces: MSP, ASP, LPT - Project: 1 MB - Recipes: 128 KB (Tones of gray) |
| VT575W APS00 | Interfaces: MSP, ASP, LPT - Project: 7 MB - Recipes: 128 KB (STN 7,5”) |
| VT575W 0PSET | Interfaces: MSP, LPT Ethernet network - Project: 7 MB - Recipes: 128 KB (STN 7,5”) |
| VT585W BPT00 | Interfaces: MSP, ASP, LPT - Project: 7 MB - Recipes: 128 KB |
| VT585W BPTET | Interfaces: MSP, LPT, Ethernet network - Project: 7 MB - Recipes: 128 KB |
| VT595W APT00 | Interfaces: MSP, ASP, LPT - Project: 7 MB - Recipes: 128 KB |
| VT595W 0PTET | Interfaces: MSP, LPT, Ethernet network - Project: 7 MB - Recipes: 128 KB |

| Accessories codes and descriptions | |
|---|---|
| VTBUTTONCELL | Lithium 3V cell battery CR2032 for maintaining recipes and clock (VT565W) |
| FLASH MODULO 04 | 4 MB flash module for backup (VT565W) |
| FLASH MODULO 08 | 8 MB flash module for backup (VT575W, VT585W, VT595W) |
| PROTFILM6 | Transparent adhesive protective foils for 6”, 7”, 8” Touch Screen (5 pieces) |
| PROTFILM10 | Transparent adhesive protective foils for 10” Touch Screen (5 pieces) |
| PROTFILM12 | Transparent adhesive protective foils for 12” Touch Screen (5 pieces) |