

The HMI product range

The ESA HMI family of products includes a complete range of multi-purpose, user-friendly operator terminals in all sizes with a vast range of communication protocols, that include Profibus-DP, ProfiNet, CanOpen, DeviceNet and Codesys that can be managed simultaneously.

The use of specially designed materials and the complete lack of moving mechanical components (such as fans and hard disks) make ESA's terminals extremely strong and perfectly suited to use in industrial environments and in difficult operating conditions (for instance, in environments where there is a high concentration of dust or intense vibrations).



ESA's products conform to EC standards and are c-UL and UL-us (UL508 CSA C22.2 No. 14-M95), ATEX (Zone 2/22, category 3 G/D), RINA and DNV certified, to guarantee the complete safety and protection of the system.



IP66
IP69K

Polymath programming software

Polymath is an extremely flexible and powerful cutting-edge software package for programming all ESA operator panels and developing SCADA applications on PCs.

Polymath has a complete, modern interface permitting easy and intuitive programming for developing and executing projects in a quick and efficient manner. The benefits Polymath has to offer include the possibility of importing variables directly from PLC databases, saving the time you would otherwise waste compiling tables of project variables.

Polymath's advanced controls also allow you to effortlessly handle data structures such as Recipes, Trends, Current and Historical Alarms, Data Logs and User Management. Polymath has an extensive library of graphically advanced high resolution objects that can be easily dragged and dropped onto pages.



Modbus®

CANopen



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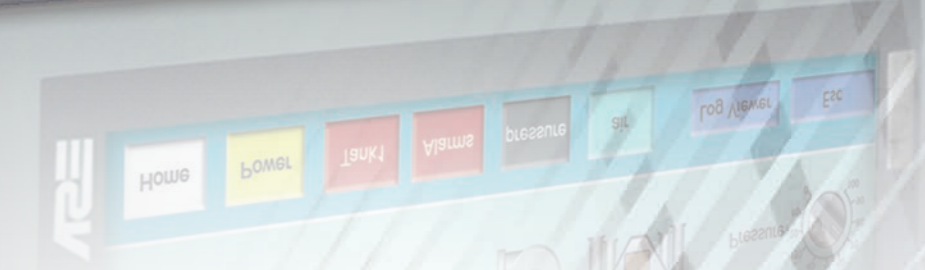


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Industrial Automation

HMI - Products overview

Names and trade marks referred to have been registered by the respective producers

www.esahmi.com



To put more **control** in **your hands**

Making industrial processes **simpler, safer** and **more productive**

Established in 1975 in Italy, **ESA elettronica** is now a multinational company with **37 years' experience** in the field of Industrial Automation. It has **foreign branches strategically located** in important countries around the world and **agents in over 40 nations**, offering friendly, attentive customer service and impeccable post-sales assistance.

We aim to always to provide **the very best solutions** for controlling industrial processes in as **straightforward, secure and productive** a manner as possible. We design all of our products considering the human factor first and foremost. We are geared towards **constant improvement**.

We look ahead to anticipate market needs, channeling our creativity and with dedication, working diligently to offer efficient, easy-to-use, high-quality market driven products.



- **Touch-screen operator terminals and terminals with keypads** permitting unrivalled connectivity (in industrial environments and globally with other PCs) thanks to compatibility with a vast number of communication protocols such as **Profibus-DP, DeviceNet, CAN and Profinet that can be managed simultaneously**
- **Panel & Box industrial PCs, embedded systems and industrial monitors** designed with **modular architecture** suited to all kinds of conditions of use, guaranteeing maximum reliability at all times
- Extremely flexible and intuitive **new generation software**. State of the art programming of **operator panels** and development of **SCADA applications on PC platforms**
- **Custom-made and personalized solutions**: we work with leading international players to provide products developed according to specific requirements and with made-to-measure graphics



IT
SC
XT Open CE
VT

Text

3">4,3"

5,7"

5,7">7"

7,5">10,4"

12,1">15"

IT104G
4.3" TFT 480x272
32 tones of gray
64MB RAM, 32MB Flash
SP1, ETH, USB-A
SP2/CAN/DP/PN

IT104T
4.3" TFT 480x272
65.536 colors
64MB RAM, 32MB Flash
SP1, ETH, USB-A
SP2/CAN/DP/PN/COM0

IT105B
5,7" STN 320x240
16 tones of blue
64MB RAM, 32MB Flash
SP1, ETH, USB-A, USB-B
SP2/CAN/DP/PN/COM0
SD/MMC slot

IT105S
5,7" STN 320x240
65.536 colors
64MB RAM, 32MB Flash
SP1, ETH, USB-A, USB-B
SP2/CAN/DP/PN
SD/MMC slot

IT105T
5,7" TFT 320x240
65.536 colors
64MB RAM, 32MB Flash
SP1, ETH, USB-A, USB-B
SP2/CAN/DP/PN/COM0
SD/MMC slot

IT105BK
5,7" STN 320x240
16 tones of blue
41 frontal keys
64MB RAM, 32MB Flash
SP1, ETH, USB-A, USB-B
SP2/CAN/DP
SD/MMC slot

IT105TK
5,7" TFT 320x240
65.536 colors
41 frontal keys
64MB RAM, 32MB Flash
SP1, ETH, USB-A, USB-B
SP2/CAN/DP
SD/MMC slot

IT107W
7" TFT 800x480
65.536 colors
64MB RAM, 32MB Flash
SP1, ETH, USB-A, USB-B
SP2/CAN/DP
SD/MMC slot

IT107T
7,5" TFT 640x480
65.536 colors
64MB RAM, 32MB Flash
SP1, ETH, USB-A, USB-B
SP2/CAN/DP/PN/COM0
SD/MMC slot

IT110T
10,4" TFT 640x480
65.536 colors
128MB RAM, 64MB Flash
SP1, 2x ETH, 2x USB-A, USB-B
SP2/CAN/DP/PN
SD/MMC slot, CF slot, Audio
Available with Professional license

IT112T
12,1" TFT 800x600
65.536 colors
128MB RAM, 64MB Flash
SP1, 2x ETH, 2x USB-A, USB-B
SP2/CAN/DP/PN
SD/MMC slot, CF slot, Audio
Available with Professional license

IT115T
15" TFT 1024x768
65.536 colors
128MB RAM, 64MB Flash
SP1, 2x ETH, 2x USB-A, USB-B
SP2/CAN/DP/PN
SD/MMC slot, CF slot, Audio
Available with Professional license

Inox

IT107WX
7" TFT 800x480
65.536 colors
INOX True-Flat frontal
64MB RAM, 32MB Flash
SP1, ETH, USB-A, USB-B
SP2/CAN/DP
SD/MMC slot
IP69K protection

IT112TX
12,1" TFT 800x600
65.536 colors
INOX True-Flat frontal
128MB RAM, 64MB Flash
SP1, 2x ETH, 2x USB-A, USB-B
SP2/CAN/DP
SD/MMC slot, CF slot, Audio
IP69K protection

SC107
7" TFT 800x480
65.536 colors
64MB RAM, 64MB Flash
2x RS232/485, ETH
USB-A, USB-B
SD/MMC slot

SC207
7" TFT 800x480
65.536 colors
64MB RAM, 32MB Flash
SP1(RS232/485/MPI), ETH
USB-A, USB-B
SD/MMC slot

XT104T
4.3" TFT 480x272
65.536 colors
64MB RAM, 32MB Flash
COM0, ETH, USB-A

XT105B
5,7" STN 320x240
16 tones of blue
64MB RAM, 32MB Flash
COM0, ETH, USB-A, USB-B
SD/MMC slot

XT105S
5,7" STN 320x240
65.536 colors
64MB RAM, 32MB Flash
COM0, ETH, USB-A, USB-B
SD/MMC slot

XT105T
5,7" TFT 320x240
65.536 colors
64MB RAM, 32MB Flash
COM0, ETH, USB-A, USB-B
SD/MMC slot

XT107T
7,5" TFT 640x480
65.536 colors
64MB RAM, 32MB Flash
COM0, ETH, USB-A, USB-B
SD/MMC slot

VT50
Display 20x2, 8 keys
MSP, ASP8, MPI, CAN

VT170W
Display 20x4, 36 keys
MSP, ASP, MPI

VT155W
4" STN 240x128
4 tones of gray
MSP, ASP8, MPI
CAN/DP/ETH

VT505W
5,5" STN 240x128
4 tones of blue
MSP, ASP8, MPI
CAN/DP/ETH

VT555W
5,5" STN 240x128
Monochrome
MSP, ASP, MPI
LPT/CAN/DP

VT310W
5,5" STN 240x128
Monochrome
46 keys
MSP, ASP, MPI, LPT

VT580W
8,4" TFT 800x600
256 colors
MSP, ASP, MPI, LPT
CAN/DP/ETH
Memory card

VT595W
12,1" TFT 800x600
256 colors
MSP, ASP, MPI, LPT
CAN/DP/ETH
Memory card

VT60
Display 20x4, 6 keys
MSP, ASP8, MPI, CAN

VT190W
Display 40x4, 49 keys
MSP, ASP, MPI, LPT

VT185W
3,6" TFT 320x240
16 colors
MSP, ASP8, MPI, ETH, DP

VT515W
5,7" STN 320x240
8 tones of blue/16 colors
Alarms, MSP, ASP8, MPI
CAN/DP/ETH

VT560W
5,7" STN 320x240
8 tones of blue/16 colors
MSP, ASP, MPI
Memory card

VT320W
5,7" STN 320x240
16 colors
52 keys
MSP, ASP, MPI, LPT

VT330W
10,4" TFT 640x480
256 colors
72 keys
MSP, ASP, MPI, LPT

VT150W
Display 20x4, 25 keys
MSP, ASP8, MPI, CAN/DP

VT300W
Display 240x64
Monochrome
49 keys
MSP, ASP, MPI, CAN/LPT

VT130W
3" STN 160x80
4 tones of blue
25 keys
MSP, ASP8, MPI, DP

VT525W
5,7" STN 320x240
16 colors
MSP, ASP8, MPI
CAN/DP/ETH

VT565W
5,7" STN 320x240
8 tones of gray/256 colors
MSP, ASP, MPI, LPT
Memory card

VT505H
5,7" STN 320x240
4 tones of blue
MSP, MPI, CAN

VT585W
10,4" TFT 640x480
256 colors
MSP, ASP, MPI, LPT
CAN/DP/ETH
Memory card

VT160W
Display 20x4, 43 keys
MSP, MPI, DP

VT525H
5,7" STN 320x240
16 colors
MSP, ASP15L, MPI