INDUSTRIAL PC & MONITOR

SCE
MOVE TO TECHNOLOGY

TECHNOLOGY, QUALITY AND CUSTOMER CARE: OUR PROMISE

TECNOLOGIA, QUALITÀ E CURA PER IL CLIENTE: LA NOSTRA PROMESSA

SCE aspires to accompany every customer along a path to innovation, by examining opportunities for growth and technological improvement. The company was founded in 1978 with the mission of providing automation and custom electronics design. It has specialized over the years in the development and production of microprocessor systems, PC, CNC, operator terminals and custom electronic circuit boards based on its customers' requirements. During its history, with the creation of CS (formerly Static Converters, now an internal company division) SCE has made the traditions and know-how of over 40 years of power electronics its own. SCE offers a complete range of products and services, providing its customers with comprehensive solutions comprising design, assembly, testing and marketing, and including an efficient and rapid-response after-sales service. The company now supplies electronic systems for any industrial sector and acts as a technological and strategic partner in the development of cutting-edge electronic solutions.

The product families designed and manufactured by SCE include:

CUSTOM ELECTRONICS
INDUSTRIAL PC
BATTERY PACK WITH LITHIUM BATTERIES
UPS

L'aspirazione di SCE è quella di accompagnare ogni cliente nel suo percorso innovativo, studiandone le opportunità di crescita e miglioramento tecnologico. L'azienda nasce nel 1978 con un'anima votata all'automazione e alla progettazione di elettronica su misura. In questo scenario, si specializza negli anni nello sviluppo e nella produzione di sistemi a microprocessore, PC, CNC, terminali operatore e schede elettroniche customizzate in base alle richieste dei propri clienti. Nel corso della sua storia, con la nascita della CS (Ex Convertitori Statici, oggi divisione interna aziendale) SCE fa sua una tradizione ed un know how di oltre 40 anni di elettronica di potenza. SCE offre quindi una gamma di prodotti e servizi completa, garantendo alla propria clientela soluzioni a 360 gradi, dalla progettazione all'assemblaggio, dal collaudo alla commercializzazione, arrivando fino ad un'attività di post vendita improntata sull'efficienza e velocità di risposta.
Oggi l'azienda realizza sistemi elettronici per qualsiasi settore industriale, proponendosi come partner tecnologico e strategico nello sviluppo di soluzioni elettroniche d'avanguardia.

Le famiglie di prodotti progettati e realizzati da SCE comprendono:

ELETTRONICA CUSTOM
PC INDUSTRIALI
BATTERY PACK CON BATTERIE AL LITIO
UPS

EN

IT

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SCE Industrial PCs are reliable and powerfull workstations, working in harsh environment industrial application. With their special engineering, the SCE HMI devices are extremely reliable, exible and scalable:

- Wide range of TFT LCD displays available: starting from 8" up to 23,8" Full HD;
- QWERTY membrane keyboard, touchscreen and touchpad integrated;
- Entry-level HMI devices with RISC CPU and Embedded configuration, up to high-performing workstations with x86 CPU, like Intel Core i3, i5, i7;
- Custom solutions based on the customer's application and needs.

EN

I PC Industriali e dispositivi HMI di SCE sono workstation affidabili e performanti, progettati per operare in ambienti gravosi 24h/365gg, a range di temperatura estesi, con protezione IP65, ideali per ogni tipo di applicazione industriale. Grazie ad una particolare ingegnerizzazione, questi dispositivi sono estremamente affidabili, flessibili e altamente scalabili:

- *Ampia scelta per dimensioni display TFT LCD: da 8" sino al 23,8" Full HD;*
- *Tastiere a membrana QWERTY, touchscreen e touchpad integrati;*
- *Dispositivi HMI entry level con CPU RISC, Embedded, sino a workstation altamente performanti con CPU x86 come Intel Core i3, i5, i7;*
- *Soluzioni customizzate in base all'applicazione e alle esigenze del cliente.*

IT

ASSIST L

Industrial **PCs ASSIST L** are an excellent solution for **front panel applications**, thanks to their very compact design. The numerous I/O interfaces, already integrated on-board, ensure high performances with **Fanless configurations and low power CPUs**. Different touchscreen LCD sizes are available, from 8" to 21" and PC version with QWERTY membrane keyboard integrated on the front panel. It is also possible to integrate the UPS on the PC, without changing the mechanical dimensions.

EN

	L8	L10	L12K - L15K	L15
FRONT PANEL FEATURES				
Front Frame	White Alloyed Aluminum, 6mm thickness, IP65 protection degree			
LCD Display	8", TFT, 65K colors	10,4", TFT, 16,2M colors	12,1", TFT / 15,1", TFT, 16,2M colors	15,1", TFT, 16,2M/ 256K colors
Resolution	800x600 (SVGA), 400cd/m2, LED backlight, 500:1	800x600 (SVGA), 400cd/m2, LED backlight, 700:1	800x600 (SVGA) / 1024x768 (XGA), 450cd/m2, LED backlight, 700:1	1024x768 (XGA), 450cd/m2, LED backlight, 700:1
Touchscreen	Optional: analog resistive touchscreen, 5/8 wires			
Keyboard (integrated on front panel)	No	No	Alphanumeric, Membrane, QWERTY layout, 81 keys, F1 - F12, direction and control keys, IP65	No
Touchpad (integrated on front panel)	No	No	Integrated capacitive, 2 keys	No
SYSTEM FEATURES				
CPU	· CPU Intel Bay Trail E3845 Quad Core 1.91GHz Fanless · CPU Intel Apollo Lake Pentium N 4200 Quad Core Fanless · CPU Intel Skylake I5-6200 U			
RAM Memory	1x SO-DIMM DDR3 - max. 16 GB			
MASS STORAGE				
HDD/SSD	up to 2x 2,5" Hard Disk Drive SATA Interface (also with extractable drawers) or Solid State Disk 2,5" SATA interface or integrated M-SATA			
I/O INTERFACES				
Serial	up to 4x RS232 + 1x RS232/422/485			
Ethernet	2x Realtek RLT8111C 10/100/1000 Mbps			
USB	4x 2.0 rear + 1x 2.0 front IP65 protected; 1x USB 3,0			
VGA/HDMI/DVI	1x VGA + 1 x HDMI			
PS2	1x Keyboard + 1x Mouse optional			
WiFi	Optional: Mini PCI Express WLAN 802.11 b/g/n with antenna			
Video	Intel Bay Trail-I Integrated Graphics chipset/Intel Apollo Lake 9th Generation Graphics Engine			
Digital I/O	Optional: Hardware digital Input & Output, 4x IN and 4x OUT			
EXPANSION SLOTS				
Mini PCIe	Up to 2x Mini PCIe			
ELECTRICAL FEATURES				
Power Supply	9-36Vdc IN, Automotive optional 110/220Vac IN with external power adapter 60W			
MECHANICAL FEATURES				
Case	Panel Mount, Steel nickel treatment			
Dimensions Frontal panel (W x H x D)	(220 x 180 x 4) mm	(305 x 230 x 6) mm	(430 x 325 x 8) mm / (483 x 399 x 8) mm	(415 x 315 x 6) mm
Cut Out (W x H x D)	(186 x 165 x 65) mm	(276 x 195 x 65) mm	(392 x 296 x 85) mm / (451 x 373 x 85) mm	(392 x 296 x 85) mm
ACCESSORIES				
Operating Systems	MS Windows 7 / 8 / 10 IOT CBB / 10 IOT LTSB/ Professional, MS Windows Embedded, LINUX			
UPS	Optional: Integrated UPS function with internal lithium battery			
ENVIRONMENTAL CONDITIONS				
Operating Temperature	+0°C +60°C			
Relative Humidity	Max 80% (non-condensing)			

*La nuova famiglia di **PC ASSIST L** offre un'ottima soluzione per applicazioni a **fronte quadro**, grazie anche alla loro straordinaria compattezza.*
*Le numerose interfacce I/O integrate a bordo garantiscono prestazioni elevate con **configurazioni Fanless e CPU a basso assorbimento**. La gamma comprende PC con display LCD touchscreen da 8" fino a 21", passando per i modelli con tastiera QWERTY a membrana, integrata sulla parte frontale. È inoltre possibile dotare il PC di UPS integrato senza variare le dimensioni meccaniche.*

IT

L15W	L17	L18,5W	L21W
FRONT PANEL FEATURES			
White Alloyed Aluminum, 6mm thickness, IP65 protection degree			
15,6", TFT, 16,2M colors	17,1", TFT, 16,7M colors	18,5" WIDE, TFT, 16,7M colors	21,5" WIDE, TFT, 16,7M colors
1920x1080, 400cd/m2, LED backlight, 500:1	1280x1024 (SXGA), 400cd/m2, LED backlight, 1000:1	1366x768, 400cd/m2, LED backlight, 1000:1	1920x1080, 350cd/m2, LED backlight, 5000:1
Optional: analog resistive touchscreen, 5/8 wires			
No	No	No	No
No	No	No	No
SYSTEM FEATURES			
· CPU Intel Bay Trail E3845 Quad Core 1.91GHz Fanless · CPU Intel Apollo Lake Pentium N 4200 Quad Core Fanless · CPU Intel Skylake I5-6200 U			
1x SO-DIMM DDR3 - max. 16 GB			
MASS STORAGE			
up to 2x 2,5" Hard Disk Drive SATA Interface (also with extractable drawers) or Solid State Disk 2,5" SATA interface or integrated M-SATA			
I/O INTERFACES			
up to 4x RS232 + 1x RS232/422/485			
2x Realtek RLT8111C 10/100/1000 Mbps			
4x 2.0 rear + 1x 2.0 front IP65 protected; 1x USB 3,0			
1x VGA + 1 x HDMI			
1x Keyboard + 1x Mouse optional			
Optional: Mini PCI Express WLAN 802.11 b/g/n with antenna			
Intel Bay Trail-I Integrated Graphics chipset/Intel Apollo Lake 9th Generation Graphics Engine			
Optional: Hardware digital Input & Output, 4x IN and 4x OUT			
EXPANSION SLOTS			
Up to 2x Mini PCIe			
ELECTRICAL FEATURES			
9-36Vdc IN, Automotive optional 110/220Vac IN with external power adapter 60W			
MECHANICAL FEATURES			
Panel Mount, Steel nickel treatment			
(460 x 285 x 6) mm	(483 x 399 x 6) mm	(500 x 320 x 6) mm	(564 x 355 x 6) mm
(446 x 276 x 85) mm	(451 x 373 x 85) mm	(480 x 300 x 85) mm	(544 x 336 x 85) mm
ACCESSORIES			
MS Windows 7 / 8 / 10 IOT CBB / 10 IOT LTSB/ Professional, MS Windows Embedded, LINUX			
Optional: Integrated UPS function with internal lithium battery			
ENVIRONMENTAL CONDITIONS			
+0°C +60°C			
Max 80% (non-condensing)			

ASSIST EXP

ASSIST EXP PCs are compact devices like ASSIST L, but have a better degree of configuration flexibility thanks to the expansion **slot for add-on PCI or PCI-EX X1 cards**.
These PCs could be equipped with high performances CPUs as I5 and I7, with a completely **FANLESS** architecture.

EN

	EXP 12K	EXP 15	EXP 15K
FRONT PANEL FEATURES			
Front Frame	White Alloyed Aluminum, 8mm thickness, IP65 protection degree		
LCD Display	12,1", TFT, 16,2M colors	15,1", TFT, 16,2M colors	
Resolution	800x600 (SVGA), optional 1024x768 (XGA), 450cd/m2, LED backlight, 700:1	1024x768 (XGA), 450cd/m2, LED backlight, 700:1	
Touchscreen	Optional: analog resistive touchscreen, 5wires		
Keyboard (integrated on front panel)	Alphanumeric, Membrane, QWERTY layout, 81 keys, F1 - F12, direction and control keys, IP65	No	Alphanumeric, Membrane, QWERTY layout, 81 keys, F1 - F12, direction and control keys, IP65
Touchpad (integrated on front panel)	Integrated capacitive, 2 keys	No	Integrated capacitive, 2 keys
SYSTEM FEATURES			
CPU	· CPU Intel i3-3120ME, Ivy Bridge, 2.4GHz / i5-3610ME 2.7GHz ~ 3.3GHz / i7-3610QE 2.3GHz ~ 3.3GHz, FANLESS · CPU Intel, Ivy Bridge, Celeron 1047UE 1.4GHz FANLESS		
RAM Memory	up to 2x SO-DIMM DDR3 socket - max. 16 GB		
MASS STORAGE			
HDD/SSD	up to 2x 2,5" Hard Disk Drive SATA Interface or Solid State Disk 2,5" SATA interface or integrated M-SATA		
I/O INTERFACES			
Serial	up to 4x RS232		
Ethernet	2x Realtek RLT8111C 10/100/1000 Mbps		
USB	up to 4x 2.0 rear + 1x 2.0 front IP65 protected + 2x USB 3.0 rear		
VGA/HDMI/DVI	1x VGA + 1x HDMI + 1x DVI		
PS2	Optional: 1x Keyboard + 1x Mouse		
WiFi	Optional: Mini PCI Express WLAN 802.11 b/g/n with antenna		
Video	Integrated Display Engine, GPU of Intel Mobile Ivy Bridge Processor		
Digital I/O	Optional: Hardware digital Input & Output, 8x IN and 8x OUT		
EXPANSION SLOTS			
PCI	1x PCI slot / 1x PCIe X1		
Mini PCI	2x Mini PCIe minicard		
ELECTRICAL FEATURES			
Power Supply	· 110/220Vac IN, with External Power adapter 110/220Vac IN, 90W · optional 9-36Vdc IN		
MECHANICAL FEATURES			
Case	Panel Mount, Steel nickel treatment		
Dimensions Frontal panel (W x H x D)	(430 x 325 x 8) mm	(415 x 315 x 6) mm	(483 x 399 x 8) mm
Cut Out (W x H x D)	(397 x 298 x 106) mm		(451 x 373 x 106) mm
ACCESSORIES			
Box Chassis	Stainless steel case with complete IP65 protection or with filter and air inlet system IP55 protection degree		
Operating Systems	MS Windows XP / 7 / 8 / 10 IOT CBB / 10 IOT LTSB/ Professional, MS Windows Embedded, LINUX		
UPS	Line Interactive UPS, up to 2000VA (Connection cable and software included)		
ENVIRONMENTAL CONDITIONS			
Operating Temperature	+0°C +50°C		
Relative Humidity	Max 80% (non-condensing)		

*I **PC ASSIST EXP** sono dispositivi che mantengono la compattezza dei PC serie Assist L, ma hanno un maggiore grado di flessibilità di configurazione grazie allo **slot per schede di espansione PCI o PCI-EX X1**.*
*Possono inoltre essere equipaggiati con CPU I5 e I7 ad alte prestazioni, mantenendo comunque un' architettura completamente **FANLESS**.*

IT

EXP 17	EXP 18,5W	EXP 21W
FRONT PANEL FEATURES		
White Alloyed Aluminum, 8mm thickness, IP65 protection degree		
17,1", TFT, 16,7M colors	18,5" WIDE, TFT, 16,7M colors	21,5" WIDE, TFT, 16,7M colors
1280x1024 (SXGA), 400cd/m2, LED backlight, 1000:1	1366x768, 400cd/m2, LED backlight, 1000:1	1920x1080, 350cd/m2, LED backlight, 5000:1
Optional: analog resistive touchscreen, 5wires		
No	No	No
No	No	No
SYSTEM FEATURES		
· CPU Intel i3-3120ME, Ivy Bridge, 2.4GHz / i5-3610ME 2.7GHz ~ 3.3GHz / i7-3610QE 2.3GHz ~ 3.3GHz, FANLESS · CPU Intel, Ivy Bridge, Celeron 1047UE 1.4GHz FANLESS		
up to 2x SO-DIMM DDR3 socket - max. 16 GB		
MASS STORAGE		
up to 2x 2,5" Hard Disk Drive SATA Interface or Solid State Disk 2,5" SATA interface or integrated M-SATA		
I/O INTERFACES		
up to 4x RS232		
2x Realtek RLT8111C 10/100/1000 Mbps		
up to 4x 2.0 rear + 1x 2.0 front IP65 protected + 2x USB 3.0 rear		
1x VGA + 1x HDMI + 1x DVI		
Optional: 1x Keyboard + 1x Mouse		
Optional: Mini PCI Express WLAN 802.11 b/g/n with antenna		
Integrated Display Engine, GPU of Intel Mobile Ivy Bridge Processor		
Optional: Hardware digital Input & Output, 8x IN and 8x OUT		
EXPANSION SLOTS		
1x PCI slot / 1x PCIe X1		
2x Mini PCIe minicard		
ELECTRICAL FEATURES		
· 110/220Vac IN, with External Power adapter 110/220Vac IN, 90W · optional 9-36Vdc IN		
MECHANICAL FEATURES		
Panel Mount, Steel nickel treatment		
(483 x 399 x 6) mm	(500 x 320 x 6) mm	(564 x 355 x 6) mm
(451 x 373 x 106) mm	(480 x 300 x 106) mm	(544 x 336 x 106) mm
ACCESSORIES		
Stainless steel case with complete IP65 protection or with filter and air inlet system IP55 protection degree		
MS Windows XP / 7 / 8 / 10 IOT CBB / 10 IOT LTSB/ Professional, MS Windows Embedded, LINUX		
Line Interactive UPS, up to 2000VA (Connection cable and software included)		
ENVIRONMENTAL CONDITIONS		
+0°C +50°C		
Max 80% (non-condensing)		

DIN RAIL

The **SHOT-DIN PCs** are designed to be installed inside an electrical panel, on **DIN rail**, for that reason they have extremely compact dimensions and an architecture completely **FANLESS** with operating temperatures up to 60 ° C.

EN

	SHOT DIN	SHOT DIN 2
SYSTEM FEATURES		
CPU	· CPU Intel Bay Trail E3845 QUAD CORE 1,91GHz, FANLESS · CPU Intel i3-3120ME, Ivy Bridge, 2.4GHz, FANLESS · CPU Intel i7-3610QE, Ivy Bridge, 2.3GHz ~ 3.3GHz, FANLESS	
RAM Memory	SO-DIMM DDR3 socket - max. 16GB	
MASS STORAGE		
HDD/SSD	1x 2,5" SSD starting from 32GB or integrated M-SATA	
I/O INTERFACES		
Serial	1x RS232	Up to 4x RS232
Ethernet	2x INTEL, RJ45 10/100/1000 Mbps	
USB	Up to 4x USB 2.0 (2x external + 2x internal)	
VGA/HDMI/DVI	1x VGA	
WiFi	Optional: Minicard WLAN 802.11 b/g/n, 3G card Interface with antenna	
Digital I/O	No	Optional: 4x DI / 4x DO (internal)
EXPANSION SLOTS		
Mini PCI/ MiniPCI Express	Up to 2x Mini PCI Express socket	
ELECTRICAL FEATURES		
Power Supply	· External Power adapter, 110/220VAc IN, 12Vdc OUT, 80W · 9/36Vdc IN, WIDE RANGE DC-IN	
MECHANICAL FEATURES		
Case	Aluminum FANLESS design	
Mounting	DIN-RAIL	
Dimensions (W x H x D)	(140 x 92 x 37) mm	(140x 92 x 64) mm
ACCESSORIES		
Operating Systems	MS Windows 7 / 8 / 10 IOT CBB / 10 IOT LTSB, MS Windows Embedded, LINUX	
UPS	Line Interactive UPS, up to 2000VA (Connection cable and software included)	
ENVIRONMENTAL CONDITIONS		
Operating Temperature	-10°C +60°C	
Relative Humidity	Max 80% (non-condensing)	

*I **PC SHOT-DIN** sono appositamente studiati per essere inseriti all'interno di un quadro elettrico, per questo hanno dimensioni estremamente compatte, dispongono di **aggancio da barra DIN** e hanno un'architettura completamente **FANLESS** con temperature di esercizio fino a 60°C.*

IT

SHOT DIN 3	SHOT SK 2
SYSTEM FEATURES	
CPU Intel Apollo Lake Pentium N 4200 2.5GHz Quad Core, FANLESS	6th / 7th Gen Intel® Skylake-U / Kaby Lake-U i7 / i5 processor
1 x DDR3L SODIMM socket, Max. 8GB	SO-DIMM DDR4 socket - max. 16GB
MASS STORAGE	
1x 2,5" SSD starting from 32GB or integrated M-SATA	
I/O INTERFACES	
2x RS232 / 422 / 485 + 2x RS232	2x RS232 / 422 / 485
2x INTEL, RJ45 10/100/1000 Mbps	3x INTEL, RJ45 10/100/1000 Mbps
4 x USB 3.0 (external) ; 2 x USB 2.0 (internal)	4 x USB 3.0
1 x DVI, 1 x VGA	2X HDMI
Optional: Minicard WLAN 802.11 b/g/n, 3G card Interface with antenna	
Optional: 8x DI / 8x DO (internal)	Optional: 4x DI / 4x DO (internal)
EXPANSION SLOTS	
Up to 2x Mini PCI Express socket	
ELECTRICAL FEATURES	
· External Power adapter, 110/220VAc IN, 12Vdc OUT, 80W	
· 9/36Vdc IN, WIDE RANGE DC-IN	
MECHANICAL FEATURES	
Aluminum FANLESS design	
DIN-RAIL	
(178 x 116 x 91) mm	(141 x 111 x 72) mm
ACCESSORIES	
MS Windows 7 / 8 / 10 IOT CBB / 10 IOT LTSB, MS Windows Embedded, LINUX	
Line Interactive UPS, up to 2000VA (Connection cable and software included)	
ENVIRONMENTAL CONDITIONS	
-10°C +60°C	
Max 80% (non-condensing)	

SHOT

The **SHOT PCs** are designed to be installed inside a panel, wall mounting or simply for desktop applications.
These **intelligent Black boxes** do not have LCD display, but can be connected to display devices, via standard interfaces like VGA, DVI or HDMI.

EN

*I **PC SHOT** sono nati per essere installati all'interno di un quadro, a parete oppure semplicemente per applicazioni desktop. Si tratta di **Black box autonome** non provviste di display, ma che possono essere collegate a dispositivi di visualizzazione tramite interfacce standard quali VGA , DVI o HDMI.*

IT

	SHOT P-1	SHOT TW	SHOT ICE
SYSTEM FEATURES			
CPU	· CPU INTEL BAY TRAIL-I E3825 Dual Core 1,33Ghz	· CPU Intel Bay Trail E3845 QUAD CORE 1,91GHz, FANLESS	· CPU Intel Ivy Bridge 1047 UE 1,4GHz, FANLESS · CPU Intel i3-3120ME, Ivy Bridge, 2.4GHz, FANLESS · CPU Intel i5-3610ME, Ivy Bridge, 2.7GHz ~ 3.3GHz, FANLESS · CPU Intel i7-3610QE, Ivy Bridge, 2.3GHz ~ 3.3GHz, FANLESS
RAM Memory	SO-DIMM DDR3 2GB on board	SO-DIMM DDR3 socket - max. 16GB	
MASS STORAGE			
HDD/SSD	1x M-SATA	Up to 2x 2,5" SATA HDD/SSD up to 500GB or integrated M-SATA	
I/O INTERFACES			
Serial	1x RS232 + 1x RS485	Up to 3x RS232 + 1x RS232/422/485	
Ethernet	1x INTEL, RJ45 10/100/1000 Mbps	2x INTEL, RJ45 10/100/1000 Mbps	
USB	1x USB 2.0	Up to 4x USB 2.0 + 2x USB 3.0	
VGA/HDMI/DVI	1x VGA	1x VGA + 1x DVI-D + 1x HDMI	
WiFi	Optional: Minicard WLAN 802.11 b/g/n, 3G card Interface with antenna	Optional: Minicard WLAN 802.11 b/g/n, 3G card Interface with antenna	
Digital I/O	Optional: Hardware digital Input & Output, 4x IN and 4xOUT	Optional: Hardware digital Input & Output, 4x IN and 4xOUT	
Audio	No	Intel HD Audio Specification Rev. 1.0 Compliant, Line-out, Mic-in	
EXPANSION SLOTS			
PCI	No	No	Yes (Half Size Add-On cards) / 1x PCIe x1
Mini PCI/ MiniPCI Express	1x Mini PCI Express sockets	2x Mini PCI Express sockets	
ELECTRICAL FEATURES			
Power Supply	· External Power adapter, 110/220VAc IN, 5Vdc OUT	· External Power adapter, 110/220VAc IN, 12Vdc OUT, 80W · Optional: 9/36Vdc IN, WIDE RANGE DC-IN, Intelligent Automotive DC-IN	
MECHANICAL FEATURES			
Case	Aluminum FANLESS design	Aluminum FANLESS design	
Mounting	Desktop, VESA or wall mounting kit	Desktop, VESA or wall mounting kit	
Dimensions (W x H x D)	(92 x 61 x 28) mm	(191 x130 x 59) mm	(300 x 205 x 87,5) mm
ACCESSORIES			
Operating Systems	MS Windows 7 Professional, MS Windows Embedded, LINUX	MS Windows XP / 7 / 8 / 10 IOT CBB / 10 IOT LTSB, MS Windows Embedded, LINUX	
UPS	Line Interactive UPS, up to 2000VA (Connection cable and software included)	Line Interactive UPS, up to 2000VA (Connection cable and software included)	
ENVIRONMENTAL CONDITIONS			
Operating Temperature	+0°C +60°C (with SSD)		
Relative Humidity	Max 80% (non-condensing)		

M-RED

The **M-RED PCs** combines the reliability and toughness of an industrial product to a modern and compact design, and easy usability for the operator. Main features: alloyed aluminum chassis completely **Fanless** to ensure the maximum reliability in the most difficult operating conditions, high brightness TFT LCD display, **Quad Core CPU**, many I/O interfaces and COM ports already integrated on-board.

EN

*La gamma **M-RED** coniuga l'affidabilità e la robustezza di un prodotto industriale ad un design moderno, compatto e di immediata usabilità per l'operatore. Caratteristiche principali: case in alluminio completamente **Fanless** per garantire la massima affidabilità nelle condizioni operative più gravose, display ad elevata luminosità, **CPU Quad Core**, principali porte di comunicazione e interfacce I/O già integrate a bordo.*

IT

	M-RED 12T	M-RED 15T	M-RED 17T
FRONT PANEL FEATURES			
Front Frame	White Alloyed Aluminum, 8mm thickness, IP65 protection degree		
LCD Display	12,1", TFT, 16,2M colors	15,1", TFT, 16,2M colors	17,1", TFT, 16,7M colors
Resolution	800x600 (SVGA), optional 1024x768 (XGA), 450cd/m2, LED backlight, 700:1	1024x768 (XGA), 450cd/m2, LED backlight, 700:1	1280x1024 (SXGA), 400cd/m2, LED backlight, 1000:1
Touchscreen	Optional: analog resistive touchscreen, 5/8 wires		
SYSTEM FEATURES			
CPU	CPU Amd GX-412HC 1.2 - 1.6 GHz Quad Core		
RAM Memory	2x DDR3 1333 SDRAM (SO-DIMM) - max. 16 GB		
MASS STORAGE			
HDD/SSD	1x 2,5" Hard Disk Drive SATA / SSD		
I/O INTERFACES			
Serial	up to 2x RS232		
Ethernet	2x Realtek RTL 8111G, 10/100/1000 Mbps		
USB	4x 2.0 rear; up to 2x USB 3.0 (on board)		
VGA/HDMI/DVI	1x VGA / DVI-I		
PS2	1x Keyboard + 1x Mouse		
WiFi	Optional: Mini PCI Express WLAN 802.11 b/g/n with antenna		
Video	Radeon™ R3E 267/350MHz		
EXPANSION SLOTS			
Mini PCIe	1x Mini PCIe		
ELECTRICAL FEATURES			
Power Supply	· DC-In 12V or 19-24V, 5A / External Power adapter 110/220Vac IN · 6/24Vdc IN, Automotive M2-ATX, 60W		
MECHANICAL FEATURES			
Case	VESA Mounting, anodized aluminum, IP65 protection		
Dimensions (W x H x D)	(312 x 265 x 107,8) mm	(380 x 294 x 107,8) mm	(418 x 342 x 113,8) mm
ACCESSORIES			
Operating Systems	MS Windows 7 / 8 / 10 IOT CBB / 10 IOT LTSB, MS Windows Embedded, LINUX		
UPS	Line Interactive UPS, up to 2000VA (Connection cable and software included)		
External Keyboard	Stainless steel industrial keyboard with USB interface, 83 keys, layout QWERTY, stainless steel trackball 38mm. Included with aluminum alloy mechanical support, to be mounted in ergonomic way on PC M-RED METAL		
Floor Stand	Optional: Alloyed Alluminum structure / External Inox Keyboard support		
ENVIRONMENTAL CONDITIONS			
Operating Temperature	+0°C +50°C		
Relative Humidity	Max 80% (non-condensing)		

INOX

The **PC INOX** is particularly suitable for applications in food & beverage, chemical and pharmaceutical markets, where aesthetic and ergonomic requirements must be combined with robustness, reliability and total protection against liquids and dust. The **stainless steel chassis** and a true flat frontal with **Multitouch Projected Capacitive touchscreen**, assure protection from dirt, water, scratches and an intensive use by the operator, even in the harshest areas.

EN

*Il **PC INOX** è particolarmente indicato per applicazioni nel settore food & beverage e chimico-farmaceutico, dove requisiti estetici ed ergonomici si devono sposare con robustezza, affidabilità e protezione totale contro liquidi e polveri. Il case in **acciaio inox** e il frontale **true flat** con **touchscreen capacitivo retroproiettato**, garantiscono protezione da sporco, acqua, graffi e dall'uso intensivo dell'operatore, anche nelle aree più gravose.*

IT

	INOX 17T	INOX 21WT	INOX 24WT
FRONT PANEL FEATURES			
Front Frame	Stainless Steel, Back IP65 protection / Frontal IP67 protection		
LCD Display	17,1", TFT, 16,7M colors	21,5" WIDE, TFT, 16,7M colors	23,5" WIDE, TFT, 16,7M colors
Resolution	1280x1024 (SXGA), 400cd/m2, LED backlight, 1000:1	1920x1080, 350cd/m2, LED backlight, 5000:1	1920x1080 (Full HD), 450cd/m2, LED backlight, 5000:1
Touchscreen	Projected Capacitive Touch (PCT), USB internal interface with multi-touch technology		
SYSTEM FEATURES			
CPU	· CPU Intel Bay Trail E3845 Quad Core 1.91GHz Fanless · CPU Intel Apollo Lake Pentium N 4200 Quad Core Fanless		
RAM Memory	4GB DDR3 1333 SDRAM (SO-DIMM) integrated on board / Socket version up to 8GB		
MASS STORAGE			
HDD/SSD	Solid State Disk 2,5" SATA interface or integrated M-SATA		
I/O INTERFACES			
Serial	up to 3x RS232 + 1x RS422/485		
Ethernet	2x Realtek RTL 8111G, 10/100/1000 Mbps		
USB	3x USB 2.0 + 1x USB 3.0		
VGA/HDMI/DVI	1x VGA + 1 x HDMI		
PS2	1x Keyboard + 1x Mouse optional		
WiFi	Optional: High power 802.11 b/g/n WIFI, dual antenna		
Video	Bay Trail Graphic Chip integrated, up to 512MB shared memory/Intel Apollo Lake 9th Generation Graphics Engine		
Digital I/O	Hardware digital Input & Output, 4x IN and 4x OUT optional		
ELECTRICAL FEATURES			
Power Supply	9-36Vdc or 110/220Vac IN		
MECHANICAL FEATURES			
Case	VESA Mounting, Desktop Mounting, INOX Steel, IP65 protection		
Dimensions (W x H x D)	(460 x 370 x 60) mm	(580 x 360 x 60) mm	(650 x 396 x 60) mm
Weight	10 Kg	14 Kg	16 Kg
ACCESSORIES			
External Keyboard	Stainless steel industrial keyboard with USB interface, 83 keys, layout QWERTY, stainless steel trackball 38mm		
Operating Systems	MS Windows 7 / 8 / 10 IOT CBB / 10 IOT LTSB, MS Windows 7 Embedded, LINUX		
ENVIRONMENTAL CONDITIONS			
Operating Temperature	-20°C +50°C		
Relative Humidity	Max 80% (non-condensing)		

NAVILOG

The latest evolution in HMI SCE industrial devices is the **NAVILOG PC**, specially engineered to operate **on any type of vehicles, operating machine or manual handling systems**. Lightweight, compact and tough, it is designed specifically for automotive applications.

· Sunlight readable display for "outdoor" applications
· Touchscreen with PCT technology and multi-touch functionality
· Wireless Connectivity: Wi-Fi, Bluetooth, 3G, GPS

EN

*La nuova famiglia di **PC NAVILOG** è appositamente ingegnerizzata per operare **su qualsiasi tipo di veicolo, macchina operatrice o sistema manuale di movimentazione materiale**. Leggero, compatto e resistente, è studiato specificatamente per applicazioni automotive.*

· Display Sunlight readable specifico per applicazioni "outdoor"
· Touchscreen con tecnologia PCT e funzionalità multitocco
· Connettività Wireless: Wi-Fi, Bluetooth, 3G, GPS

IT

	NAVILOG 10T	NAVILOG 12T	NAVILOG 12WT
FRONT PANEL FEATURES			
Front Frame	3mm tempered glass True Flat		
LCD Display	10,4" TFT 16,2M colors	12,1" TFT 16,2M colors	11,6" TFT 16,2M colors
Resolution	1024 x 768 (XGA), LED backlight, High Brightness with Sunlight Readable treatment		1920 x 1080 (FULL HD), LED backlight, High Brightness with Sunlight Readable treatment
Touchscreen	Projected Capacitive Touch (PCT), USB internal interface with multi-touch technology		
SYSTEM FEATURES			
CPU	· CPU Intel Bay Trail E3845 Quad Core 1.91GHz Fanless · CPU Intel Apollo Lake Pentium N 4200 Quad Core Fanless · CPU Intel Skylake I5-6200 U		
RAM Memory	4GB DDR3 1333 SDRAM (SO-DIMM) integrated on board / Socket version up to 16GB		
MASS STORAGE			
HDD/SSD	Solid State Disk 2,5" SATA interface or integrated M-SATA		
I/O INTERFACES			
Serial	up to 2x RS232 + 1x RS232/422/485; opt. CAN-BUS		
Ethernet	2x Realtek RTL 8111G, 10/100/1000 Mbps		
USB	2x USB 2.0 + 2x USB 3.0		
VGA/HDMI/DVI	1x VGA + 1 x DVI-I		
WiFi	Optional: High power 802.11 b/g/n WIFI, dual antenna		
Video	Bay Trail Graphic Chip integrated, up to 512MB shared memory		
Optional	GPS, 3G-4G, Bluetooth, CAN-BUS		
ELECTRICAL FEATURES			
Power Supply	· Automotive power supply, extended range 9-36Vdc. Intelligent shutdown control with software configurable · Optional: 110/220Vac IN with external power adapter 60W		
MECHANICAL FEATURES			
Case	VESA Mounting, Aluminum, IP65 protection		
Dimensions (W x H x D)	(287 x 234 x 65) mm	(320 x 260 x 65) mm	(295 x 190 x 65) mm
Weight	2,8 kilos	3,5 kilos	2,8 kilos
ACCESSORIES			
Operating Systems	MS Windows 7 / 8 / 10 IOT CBB / 10 IOT LTSB, MS Windows 7 Embedded, LINUX		
ENVIRONMENTAL CONDITIONS			
Operating Temperature	-10°C +50°C		
Relative Humidity	Max 80% (non-con densing)		

VESA 21WT

PC VESA 21WT is the SCE solution for **data collection**, directly in the production area. It can be installed either on VESA arms or on floor mounting devices, combined with external membrane keyboard with trackball and supports for RFID readers and barcode readers. The **21.5" Wide display with Full HD resolution** allows a complete visualization of synoptic and graphic pages, with a **Projected Capacitive Touchscreen** that simplifies the use of the operator, providing protection from dust, scratches and usury. The design is compact, fanless and suitable to integrate an **internal UPS** that protects your PC from any blackout or mains problem.

EN

*Il **PC VESA 21WT** è la proposta di SCE per la **raccolta dati**, in ambiente di produzione e/o fine linea. Può essere installato sia su bracci di supporto VESA che su piantana, completo di tastiera con trackball e supporti per lettori badge e barcode. Il **display 21,5" Wide Full HD** permette una visualizzazione completa e definita di sinottici e pagine grafiche, con **un Touchscreen Capacitivo Retroproiettato**, che semplifica l'utilizzo da parte dell'operatore, garantendo protezione da polveri, graffi e usura. Il design è compatto, fanless e adatto ad integrare un **UPS interno**, che protegge il PC da sbalzi o interruzioni di corrente.*

IT

	VESA 21WT
FRONT PANEL FEATURES	
Front Frame	3mm tempered glass True Flat
LCD Display	21,5" WIDE, TFT, 16,7M colors
Resolution	1920x1080 Full HD, 350cd/m2, LED backlight, 5000:1
Touchscreen	Projected Capacitive Touch (PCT), USB internal interface with multi-touch technology
SYSTEM FEATURES	
CPU	CPU Amd Quad Core GX-412HC 1.2-1.6GHz
RAM Memory	up to 16GB DDR3 1333 SDRAM (SO-DIMM) 1600MHz
MASS STORAGE	
HDD/SSD	1x 2,5" Hard Disk Drive SATA Interface (also with extractable drawers) or Solid State Disk 2,5" SATA interface or integrated M-SATA
I/O INTERFACES	
Serial	up to 3x RS232
Ethernet	2x Realtek RTL 8111G, 10/100/1000 Mbps
USB	up to 6x USB 2.0
VGA/HDMI/DVI	1x VGA / DVI-I
WiFi	Optional: Mini PCI Express WLAN 802.11 b/g/n
Video	Radeon™ R3E 267/350MHz
EXPANSION SLOTS	
Mini PCI	1x Mini PCIe
ELECTRICAL FEATURES	
Power Supply	19-24Vdc IN, 5A / External Power adapter 110/220Vac IN
MECHANICAL FEATURES	
Case	VESA Mounting, Aluminum, IP65 protection
Dimensions (W x H x D)	(565 x 355 x 87) mm
ACCESSORIES	
External Keyboard	Stainless steel industrial keyboard with USB interface, 83 keys, layout QWERTY, stainless steel trackball 38mm
Operating Systems	MS Windows 7 / 8 / 10 IOT CBB / 10 IOT LTSB, MS Windows 7 Embedded, LINUX
ENVIRONMENTAL CONDITIONS	
Operating Temperature	0°C +50°C
Relative Humidity	Max 80% (non-condensing)

TABLET PC

TABLET PCs are mobile devices of extremely compact and ergonomic dimensions. They are designed to be resistant to water, drop, vibration, dust, shocks and high temperatures. With WiFi, integrated barcode scanner and **expandable battery** are ideal for the acquisition of data production.

EN

*Dispositivi mobili di dimensioni contenute ed ergonomiche, i **TABLET PC** sono progettati per essere resistenti a cadute, vibrazioni, polvere, umidità e alte temperature. Con WiFi, lettori barcode integrati e **batteria espandibile**, sono ideali per l'acquisizione di dati in produzione.*

IT

	TAB-10C
FRONT PANEL FEATURES	
LCD Display	10.1" LED backlight screen
Resolution	1920x1200 (WUXGA), 1000nits Sunlight Readable
Touchscreen	Capacitive Touchscreen, supports gloves
SYSTEM FEATURES	
CPU	Intel® Atom™ E3827 1.75GHz / Intel I5-7300U
RAM Memory	4GB DDRIII 800 SO-DIMM optional 8GB
MASS STORAGE	
HDD/SSD	128GB SATA half-slim size SSD
I/O INTERFACES	
Serial	No
Ethernet	1x INTEL, RJ45 10/100/1000 Mbps
USB	2x USB 2.0
WiFi	Wi-Fi IEEE 802.11 a/b/g/n and Bluetooth 4.0; optional 3G
RFID	Optional RFID / Barcode Scanner
WEBCAM	2 Mega Pixel camera (Front bezel) 5 Mega Pixel camera (Rear bezel)
WWAN / GPS	LTE optional / Snap-on module optional
Audio	1x High quality speaker; Audio jack:1 for microphone and headphone
In Front Control	1x Power Button, 1x Lock Button, 1x RF Button, 5x Program Function Button
EXPANSION SLOTS	
PCI / Micro SD Slot	1x Micro SD slot
ELECTRICAL FEATURES	
Power Supply	AC 100-240V, 50-60Hz input; 19V @3.42A, 65W
Power Management Battery	Internal Smart Lithium Battery, 4500mAH, 7.4V
MECHANICAL FEATURES	
Case / Construction	Slim, rugged, sealed and lightweight design
Dimensions (W x H x D)	(275.4 x 203.6 x 26,5) mm
Weight	1,1 Kg
ACCESSORIES	
Operating Systems	MS Windows 10 / WES7 / WS7P / 7 Pro Embedded / Android
Others	Stylus, Desktop / Vehicle Dock, 1D / 2D external Barcode Scanner, 9000mAH External Battery
ENVIRONMENTAL CONDITIONS	
Drop	6-ft Drop (MIL STD 810G Method 516.6 Procedure IV)
Resistance	Resistance against water and dust (IP65)
Operating Temperature	-20°C +50°C
Relative Humidity	5 ~ 95% (non-condensing)

PANEL MONITOR

Together with the family of Vesa Monitor, the **MONITORS** for panel mounting complete the range of solutions for HMI devices.
Thanks to their compact dimensions and reduced costs, these Monitors can be combined with the PCs, as our **SHOT PC**, to be able to remote intelligent unit up to 15 meters, in the most protected places and less harsh industrial environments.

EN

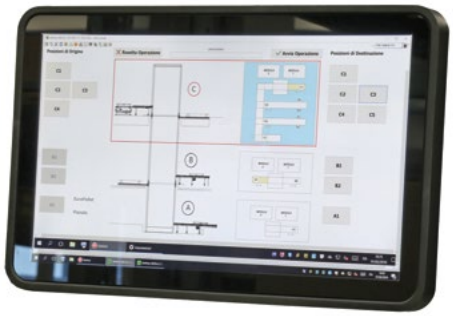
	12KT - 15KT	15T	15WT
FRONT PANEL FEATURES			
Front Frame	Anodized alluminium, 6mm thickness, IP65 protection degree		
LCD Display	12,1", TFT, 16,2M colors / 15,1", TFT, 16,2M colors	15,1", TFT, 16,2M	15,6", TFT, 16,2M colors
Resolution	800x600 (SVGA) / 1024x768 (XGA)	1024x768 (XGA)	1920x1080 (Full HD)
Touchscreen	Optional: analog resistive touchscreen, 5/8 wires		
Keyboard (integrated on front panel)	Alphanumeric, Membrane, QWERTY layout, 81 keys, F1 - F12, direction and control keys, IP65 protection	No	No
Touchpad (integrated on front panel)	Integrated capacitive, 2 keys	No	No
TECHNICAL FEATURES			
Display Area	246(W)mm x 185(H)mm (diagonal 12,1") / 304(W)mm x 228(H)mm (diagonal 15,1")	304(W)mm x 228(H)mm (diagonal 15,1")	344(W)mm x 194(H)mm (diagonal 15,6")
Calibration	OSD (on screen display) buttons on the back		
Contrast	700:1		
Brightness	450cd/mq LED-backlight		
Video Interface	VGA cable supplied + DVI		
ELECTRICAL FEATURES			
Power Supply	110-220 Vac, min 40W or 12 Vdc IN 40 W min; optional 24Vdc		
MECHANICAL FEATURES			
Case	Galvanized steel structure. Panel or Standard VESA 75/100 mounting		
Dimensions Frontal panel (W x H x D)	(430 x 325 x 8) mm / (483 x 399 x 8) mm	(415 x 315 x 6) mm	(460 x 285 x 6) mm
Cut Out (W x H x D)	(392 x 296 x 53) mm / (451 x 373 x 61) mm	(392 x 296 x 53) mm	(446 x 276 x 61) mm
ACCESSORIES			
Supports	Optional: Arms with VESA Standard 75/100		
Display	Optional Industrial transflective display 12,1", wide range temperature for sunlight readable application		
ENVIRONMENTAL CONDITIONS			
Operating Temperature	0°C +60°C		
Relative Humidity	Max 80% not conditioned		

*Insieme alla famiglia di Monitor Vesa, i **MONITOR A PANNELLO** completano la gamma di soluzioni per l'interazione uomo-macchina.*
*Di dimensioni compatte e costi contenuti, possono essere abbinati a PC ciechi, come i nostri **PC SHOT**, per poter remotare l'unità intelligente fino a 15 metri di distanza, in luoghi più protetti e meno gravosi dell'ambiente industriale.*

IT

17T	18,5WT	21WT
FRONT PANEL FEATURES		
Anodized alluminium, 6mm thickness, IP65 protection degree		
17,1", TFT, 16,7M colors	18,5" WIDE, TFT, 16,7M colors	21,5" WIDE, TFT, 16,7M colors
1280x1024 (SXGA)	1366x768 (WXGA)	1920x1080 (Full HD)
Optional: analog resistive touchscreen, 5/8 wires		
No	No	No
No	No	No
TECHNICAL FEATURES		
338(W)mm x 270(H)mm (diagonal 17,1")	410(W) x 230(H)mm (diagonal 18,5")	477(W) x 268(H)mm (diagonal 21,5")
OSD (on screen display) buttons on the back		
1000:1		5000:1
450cd/mq LED-backlight	400cd/mq LED-backlight	350cd/mq LED-backlight
VGA cable supplied + DVI		
ELECTRICAL FEATURES		
110-220 Vac, min 40W or 12 Vdc IN 40 W min; optional 24Vdc		
MECHANICAL FEATURES		
Galvanized steel structure. Panel or Standard VESA 75/100 mounting		
(483 x 399 x 6) mm	(500 x 320 x 6) mm	(564 x 355 x 6) mm
(451 x 373 x 61) mm	(480 x 300 x 50) mm	(544 x 336 x 50) mm
ACCESSORIES		
Optional: Arms with VESA Standard 75/100		
Optional Industrial transflective display 12,1", wide range temperature for sunlight readable application		
ENVIRONMENTAL CONDITIONS		
0°C +60°C		
Max 80% not conditioned		

VESA 21WT



Specifically designed for tools machine, the **VESA 21WT MONITOR** combines design with reliability, thanks to an **anti-shock polyurethane case** and the True Flat front panel with **Projected Capacitive Touchscreen**, ideal for an intensive interaction by the operator. It can be installed on VESA arms or vertical supports for floor installation and combined with embedded systems as the **SHOT PC** series.

EN

*Specificatamente studiato per macchine utensili, il **MONITOR VESA 21WT** coniuga design ad affidabilità, grazie ad un **case in poliuretano antiurto** abbinato al frontale True Flat con **Touchscreen Capacitivo Retroproiettato**, ideale per un'interazione intensiva da parte dell'operatore.*
*Può essere installato su bracci di supporto VESA o piantane da pavimento ed abbinato a PC da interno quadro, della serie **SHOT**.*

IT

	21WT
FRONT PANEL FEATURES	
Front Frame	3mm tempered glass True Flat
LCD Display Size	21,5" WIDE, TFT, 16,7M colors
Resolution	1920x1080 Full HD
Touchscreen	Projected Capacitive Touch (PCT), USB internal interface with Multi-Touch Technology
TECHNICAL FEATURES	
Display Area	477(W)mm x 268(H)mm, (diagonal 21,5")
Calibration	OSD (on screen display) buttons on the back
Contrast	5000:1
Brightness	350cd/ mq, LED backlight
Video Interface	VGA double shielding cable supplied + DVI
ELECTRICAL FEATURES	
Power Supply	Internal 110/220 Vac IN
MECHANICAL FEATURES	
Case	Black Polyurethane Protective Case, Impact Resistant. Standard VESA 75/100 mounting
Dimensions (W x H x D)	(540x335x75) mm
ACCESSORIES	
Supports	Optional: Arms with Standard VESA 75/100 or Vertical Alluminium Support for floor installation
External keyboard	Optional: Stainless Steel Industrial Keyboard with USB interface, 83 keys, layout QWERTY, stainless steel trackball 38mm
ENVIRONMENTAL CONDITIONS	
Operating Temperature	0°C +60°C
Relative Humidity	Max 80% not conditioned

VESA MONITOR INOX

The **Monitor INOX** is particularly suitable for applications in food & beverage, chemical and pharmaceutical markets. The proposed solutions include a range of monitors with **displays from 17 " to 24" Wide**. The **stainless-steel chassis** and a **true flat frontal** with Multitouch Projected Capacitive touchscreen, assure protection from dirt, water, scratches and an intensive use by the operator, even in the harshest areas.

EN

*Il **Monitor INOX** è particolarmente indicato per applicazioni nel settore food & beverage e chimico-farmaceutico. La gamma comprende soluzioni con **display da 17" a 24"Wide**. Il **case in acciaio inox** e il **frontale true flat** con touchscreen capacitivo retroproiettato, garantiscono protezione da sporco, acqua, graffi e dall'uso intensivo dell'operatore, anche nelle aree più gravose.*

IT

	INOX 17T	INOX 21WT	INOX 24WT
FRONT PANEL FEATURES			
Front Frame	Stainless Steel (INOX), with IP65 Back protection / IP67 Frontal Protection		
LCD Display	17,1", TFT, 16,7M colors	21,5" WIDE, TFT, 16,7M colors	23,8" WIDE, TFT, 16,7M colors
Resolution	1280x1024 (SXGA)	1920x1080 (Full HD)	1920x1080 (Full HD)
Touchscreen	Projected Capacitive Touch (PCT), USB internal interface with multi-touch technology		
TECHNICAL FEATURES			
Display Area	338(W)mm x 270(H)mm (diagonal 17,1")	477(W)mm x 268(H)mm (diagonal 21,5")	527(W)mm x 296(H)mm (diagonal 23,8")
Calibration	OSD (on screen display) buttons on the back		
Contrast	5000:1		
Brightness	450cd/mq LED-backlight		
Video Interface	VGA + DVI		
ELECTRICAL FEATURES			
Power Supply	9-36Vdc or 110/220Vac IN		
MECHANICAL FEATURES			
Case	VESA Mounting, Desktop Mounting, Stainless Steel, IP65 protection		
Dimensions (W x H x D)	(460 x 370 x 60) mm	(580 x 360 x 60) mm	(650 x 396 x 60) mm
Weight	9 Kilos	13 Kilos	15 Kilos
ACCESSORIES			
Supports	Optional: Arms with VESA Standard 75/100		
External keyboard	Stainless steel industrial keyboard with USB interface, 83 keys, layout QWERTY, stainless steel trackball 38mm		
ENVIRONMENTAL CONDITIONS			
Operating Temperature	-20°C +50°C		
Relative Humidity	Max 80% (non-condensing)		

VESA MONITOR M-RED

The MONITOR M-RED METAL family combines the reliability of an industrial product to the beauty of a designed and customizable design.
Installed at the end of the production line, on arm or floor mounting support, thanks to the standard **VESA** rear predisposition, are typically connected to our **PC SHOT** series. The proposed solutions include a range of monitors with displays from 12" to 19" Wide, different colors (red, black or blue, or customized), stainless steel keyboards, arms and floor-mounting supports.

EN

I MONITOR della famiglia M-RED METAL coniugano l'affidabilità di un prodotto industriale alla bellezza di un design studiato e personalizzabile.
*Installati a fine linea su bracci mobili o piantane, grazie alla predisposizione posteriore ad un attacco **VESA** standard, sono tipicamente abbinati ai nostri PC della serie **SHOT**.*
Le soluzioni proposte comprendono una gamma di monitor con display dal 12" al 19" Wide, di colore rosso, nero o azzurro o personalizzabile con i colori aziendali, tastiere in acciaio inox, bracci e piantane abbinabili.

IT

	12T	15T	17T
FRONT PANEL FEATURES			
Front Frame	Alloyed alluminium, IP65 protection degree		
LCD Display	12,1", TFT, 16,2M	15,1", TFT, 16,2M	17,1", TFT, 16,7M colors
Resolution	800x600 (SVGA) / Optional 1024x768 (XGA)	1024x768 (XGA)	1280x1024 (SXGA)
Touchscreen	Optional: analog resistive touchscreen, 5/8 wires		
TECHNICAL FEATURES			
Display Area	246(W)mm x 185(H)mm (diagonal 12,1")	304(W)mm x 228(H)mm (diagonal 15,1")	338(W)mm x 270(H)mm (diagonal 17,1")
Calibration	OSD (on screen display) buttons on the back		
Contrast	1000:1		
Brightness	450cd/mq LED-backlight		400cd/mq LED-backlight
Video Interface	VGA cable supplied + DVI		
ELECTRICAL FEATURES			
Power Supply	External Power Adapter 110-220 Vac, min 40W or 12 Vdc IN 40 W min; optional 24Vdc		
MECHANICAL FEATURES			
Case	Alloyed aluminium structure (black, red or blue colors). Standard VESA 75/100 mounting		
Dimensions (W x H x D)	(312 x 265 x 74,5) mm	(380 x 294 x 74,5) mm	(418 x 342 x 75) mm
ACCESSORIES			
Supports	Optional: Arms with VESA Standard 75/100		
External keyboard	Stainless steel industrial keyboard with USB interface, 83 keys, layout QWERTY, stainless steel trackball 38mm. Included with aluminum alloy mechanical support, to be mounted in ergonomic way on PC M-RED METAL		
Display	Optional Industrial transflective display 12,1", wide range temperature for sunlight readable application including adjustable sun visor		
ENVIRONMENTAL CONDITIONS			
Operating Temperature	0°C +60°C		
Relative Humidity	Max 80% not conditioned		

TERMOSCANNER

SCE VISIO Thermoscanner is a **body temperature control system**, integrated with a **facial recognition application** based on Artificial Intelligence algorithms.
It detects without any physical contact the body temperature of employees and visitors and the presence of the protective mask; it associates the measure to each person through facial recognition; in case of temperature above the allowed limits or lack of protective mask, it warns with a voice message and an audible alarm; it stores accesses locally or on the server.
Suitable for gate, wall, desktop or floor installation.

EN

*Il **Termoscanner VISIO** è un **sistema per il controllo della temperatura corporea**, integrato ad un'applicazione di **riconoscimento facciale** basata su algoritmi di Intelligenza Artificiale. Rileva senza contatto la temperatura corporea di dipendenti e visitatori e la presenza della mascherina di protezione; associa la misura ad ogni persona attraverso il riconoscimento facciale; in caso di temperatura al di sopra del limite consentito o di assenza di mascherina di protezione, avvisa con messaggio vocale e allarme sonoro; archivia localmente o su server uno storico degli accessi. **Può essere installato a parete, su piantana provvista o meno di dispenser per gel igienizzante o su supporto da tavolo**.*

IT

	VISIO SCE
FRONT PANEL FEATURES	
LCD Display	8" LED backlight screen
Resolution	800 x 1280 lightness 400cd
SYSTEM FEATURES	
CPU	Rockchip RK3288
RAM Memory	4GB DDR3
MASS STORAGE	
HDD/SSD	32GB MSATA
I/O INTERFACES	
Serial	1x RS232
Ethernet	1x INTEL, RJ45 10/100 Mbps
USB	2x Micro USB 2.0
WiFi	Wi-Fi IEEE 802.11 b/g/n 2.4GHz and Bluetooth 4.0; optional 4G
RFID	Optional RFID
WEBCAM	2 Mega Pixel camera (Front bezel) RGB + infrared
Audio	1x High quality speaker; Audio jack:1 for microphone and headphone
Face Detection	Local 20.000 face library
IO Interface	1x Relè; 1x IC Card Reader
EXPANSION SLOTS	
Card Slot	1x Micro SD slot, 1x Micro SIM slot
ELECTRICAL FEATURES	
Power Supply	12Vdc with 110/220Vac power adapter included
MECHANICAL FEATURES	
Case / Construction	Slim and lightweight design
Dimensions (W x H x D)	(373.7 x 135 x 85) mm
Weight	1,6 Kg
ACCESSORIES	
Operating Systems	Android
Others	. Application for centralized management of terminals included . Table Stand, Floor Stand, Floor Stand with Sanityzer Dispenser
ENVIRONMENTAL CONDITIONS	
Operating Temperature	0°C +50°C
Relative Humidity	10 ~ 90% (non-condensing)

ACCESSORIES

INDUSTRIAL KEYBOARDS

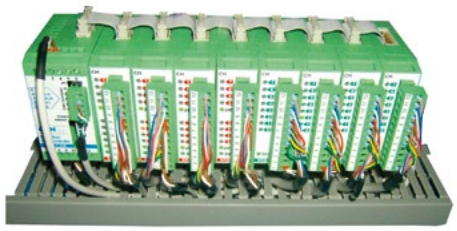
In conjunction with industrial PC, SCE provides industrial rubber or stainless steel keyboard,table or panel mounting, with rear holes.

EN

TASTIERE INDUSTRIALI

SCE in abbinamento ai propri PC può fornire tastiere industriali siliconiche o in acciaio inox, installabili sia da appoggio che da pannello attraverso fori di fissaggio sul retro.

IT



I/O MODULES

SCE remote I/O modules (CAN BUS or Ethernet) make the user able to have a complete flexibility in action, by choosing the I/O type and their number, depending on the application. It is possible to have 8I/8O modules, controlled by one or more master MCU modules that are able to manage up to 64 inputs and 64 outputs. Thanks to the Ethernet and CanBus, the I/O can be situated far from the terminal, directly where the sensors and actuators are placed, through an easy wiring.

EN

MODULI I/O

I Moduli I/O remoti SCE (CAN BUS o ETHERNET) consentono all'utilizzatore di avere una totale flessibilità di azione potendo scegliere il numero e la tipologia di I/O necessari a seconda dell'applicazione: sono disponibili moduli da 8 Ingressi o 8 uscite, controllati da uno o più moduli master MCU, in grado di pilotare fino a 64 Ingressi e 64 Uscite. Grazie al CAN BUS e all'Ethernet, il cablaggio è notevolmente semplificato e gli I/O possono essere remotati a notevole distanza dal Terminale, direttamente nel posto in cui sono posizionati i sensori e gli attuatori.

IT

LITHIUM BATTERY PACK

SCE offers complete hardware and software solutions for lithium battery management in industrial applications composed by:
· LITHIUM BATTERIES: weight and dimensions reduced, up to 5000 charge cycles.
· BMS: Battery Management System designed to manage multi-cell lithium batteries.
· BATTERY CHARGERS: lithium batteries charging devices (with CANBUS).

EN

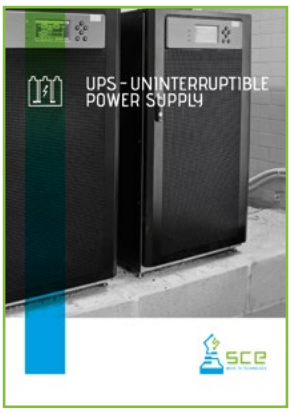
I Battery Pack proposti da SCE con batterie al litio trovano applicazione in tantissimi settori *dove si fa tradizionalmente uso di batterie al piombo (veicoli elettrici, AGV/LGV, macchine per la diagnostica, motoscope, sistemi di storage…), che vengono sostituite con quelle al litio.*
Questi sistemi sono composti da:
· BATTERIE AL LITIO, peso e dimensioni ridotte, fino a 5000 cicli di ricarica.
· BMS, dispositivo elettronico avanzato per il monitoraggio e la gestione delle batterie.
· CARICABATTERIE per la ricarica di celle al litio con comunicazione CAN BUS.

IT

CUSTOM ELECTRONICS

SCE is specialized in the design and production of electronic boards, specifically engineered to meet the requests of the customers. Over the years, several custom electronic solutions have been designed, including electronic boards for the control of printers, punching machines, packaging machines, biomedical devices and lithium Battery Management Systems.

SCE è specializzata nella progettazione e produzione di apparecchiature e schede elettroniche*, studiate e realizzate appositamente per rispondere alle specifiche richieste dei clienti. Negli anni sono state progettate schede elettroniche per il controllo e il comando di stampanti, punzonatrici, macchine per l'imballaggio, per il biomedicale e per la gestione di batterie al litio: queste esperienze trasversali permettono oggi ad SCE di offrire soluzioni "chiavi in mano" ai clienti attuali e potenziali, operanti in diversi settori industriali.*



UPS – UNINTERRUPTIBLE POWER SUPPLY

Industrial PC installed in the factory, as well as workstations and servers operating inside the offices, **can be completed by the UPS proposed by SCE in order to guarantee continuity of supply in any condition**, and the protection of sensitive data in case of a sudden power failure. In some configurations you can also have an integrated UPS, installed directly inside the industrial PC case.

Tutte le workstation possono essere completate dai ***gruppi di continuità proposti da SCE per garantire continuità di alimentazione in qualsiasi condizione****, salvaguardando i dati sensibili in caso di improvvisa assenza di corrente sugli impianti.*
In diverse configurazioni i pc industriali possono disporre di un UPS integrato direttamente all'interno del case.

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Specifiche tecniche soggette a variazioni senza preavviso.

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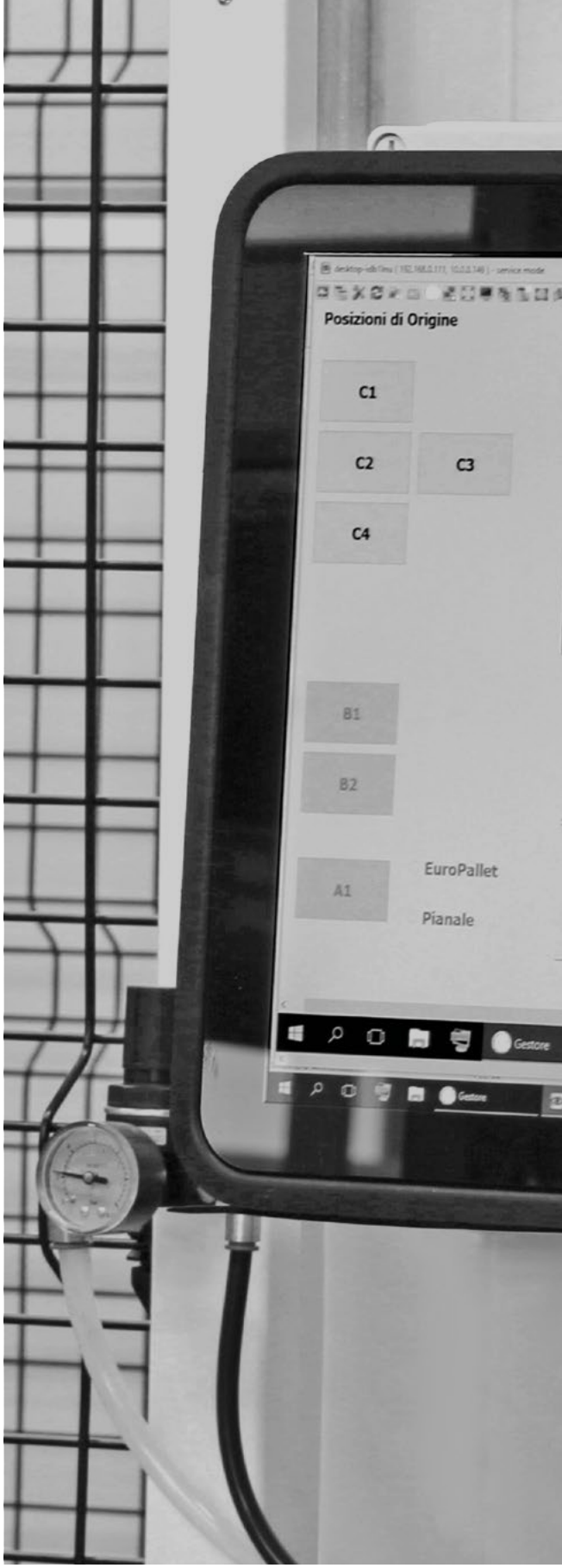

S.C.E. srl · Via Giardini 1271/G
41126 Modena (Italy)
Tel: +39 059 514511
Fax: +39 059 514551
E-mail: info@sce.it

www.sce.it