


**Industrial Automation - Products & Configurations**

HT2150/SL BASIC SYSTEM fanless		POWER [W]
Basic Configuration	LCD TFT 6,5" • Touch-Screen • Aluminum front panel • Intel® Celeron® quad core J1900 2,00 GHz • 2GB RAM • Without possibility to add communication ports • 24V DC isolated power supply • UBIQUITY BASIC Win32/64 runtime • 12 months warranty	23

HT2150/S0 BASIC SYSTEM fanless		POWER [W]
Basic Configuration	LCD TFT 6,5" • Touch-Screen • Aluminum front panel • Intel® Celeron® quad core J1900 2,00 GHz • 2GB RAM • With possibility to add communication ports • 24V DC isolated power supply • UBIQUITY BASIC Win32/64 runtime • 12 months warranty	23

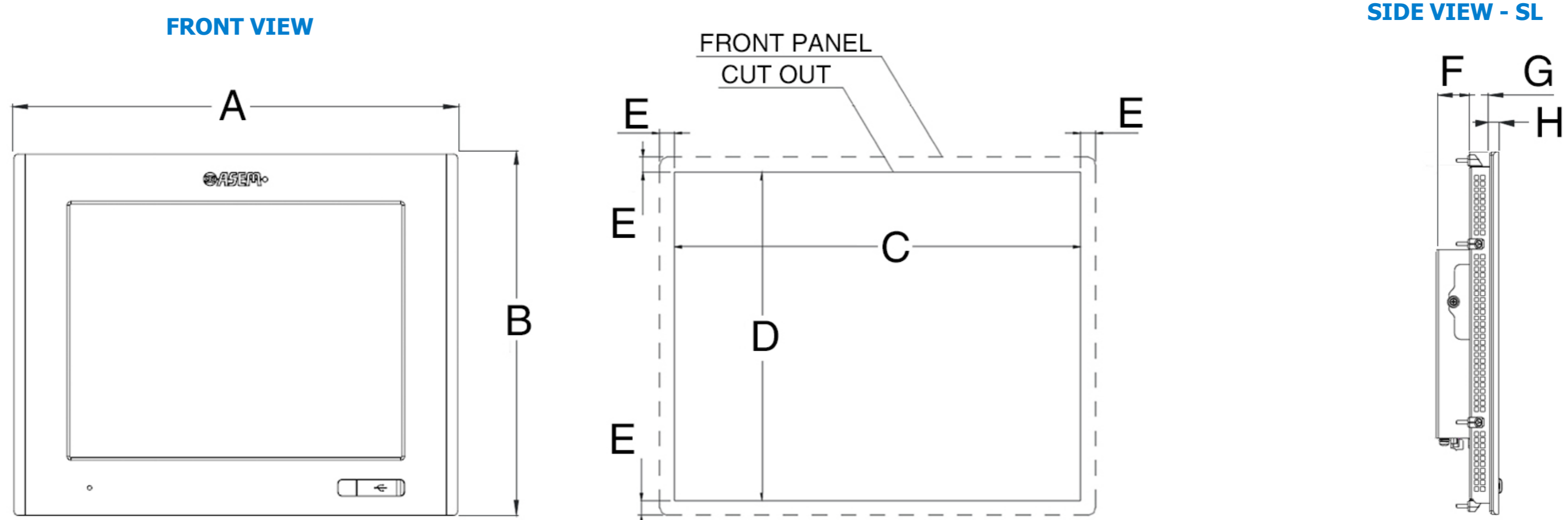
	SL	S0		POWER [W]
<b>REMOTE ASSISTANCE</b>	•	•	ASEM UBIQUITY BASIC Win32/64 runtime	-
<b>PROCESSOR</b>	•	•	Intel® Celeron® J1900 • 2,00 GHz (2,42 GHz Burst), 2MB L2 cache • 4 cores, 4 threads • Soldered on-board	
<b>DISPLAY &amp; TOUCH-SCREEN</b> > note 1	•	•	6,5" LCD TFT 4:3 • VGA, 640x480, 16M colors • LED backlight, 800 cd/m2 • Viewing angle L:R/U:L (typ.): 80°:80°/70°:70° Touch-screen • 5 wires resistive technology • Controller integrated on board	
	•	•	7" W LCD TFT 15:9 • WVGA, 800x480, 16M colors • backlight LED 500 cd/m2 • Viewing angle L:R/U:L (typ.): 70°:70°/60°:60° Touch-screen • 5 wires resistive technology • Controller integrated on board	+ 1
	•	•	8,4" LCD TFT 4:3 • SVGA, 800x600, 256K colors • LED backlight, 400 cd/m2 • Viewing angle L:R/U:L (typ.): 80°:80°/80°:80° Touch-screen • 5 wires resistive technology • Controller integrated on board	- 1
	•	•	10,1" W LCD TFT 16:10 • WXGA, 1280x800, 16M colors • LED backlight, 400cd/m2 • Viewing angle L:R/U:L (typ.): 88°:88°/88°:88° Touch-screen • 5 wires resistive technology • Controller integrated on board	+ 0
	•	•	10,4" LCD TFT 4:3 • SVGA, 800x600, 16M colors • LED backlight , 400 cd/m2 • Viewing angle L:R/U:L (typ): 80°:80°/70°:70° Touch-screen • 5 wires resistive technology • Controller integrated on board	+ 2
	•	•	12,1" LCD TFT 4:3 • SVGA, 800x600, 16M colori • backlight LED, 450 cd/m2 • Viewing angle L:R/U:L (typ): 80°:80°/65°:75° Touch-screen • 5 wires resistive technology • Controller integrated on board	+ 4
	•	•	12,1" LCD TFT 4:3 • XGA, 1024x768, 16M colors • LED backlight, 600 cd/m2 • Viewing angle L:R/U:L (typ.): 80°:80°/70°:70° Touch-screen • 5 wires resistive technology • Controller integrated on board	+ 12
	•	•	12,1" W LCD TFT 16:10 • WXGA, 1280x800, 16M colors • LED backlight, 400 cd/m2 • Viewing angle L:R/U:L (typ): 88°:88°/88°:88° Touch-screen • 5 wires resistive technology • Controller integrated on board	+ 8
	•	•	15" LCD TFT 4:3 • XGA, 1024x768, 16M colors • LED backlight, 500 cd/m2 • Viewing angle L:R/U:L (typ.): 85°:85°/85°:85° Touch-screen • 5 wires resistive technology • Controller integrated on board	+ 14
	•	•	15,6" W LCD TFT 16:9 • 1366x768 (HD), 16M colors • LED backlight, 400 cd/m2 • Viewing angle L:R/U:L (typ): 85°:85°/80°:80° Touch-screen • 5 wires resistive technology • Controller integrated on board	+ 9
<b>RAM MEMORY</b>	•	•	1 GB • 1 module SODIMM DDR3-1600	- 1
	•	•	2 GB • 1 module SODIMM DDR3-1600	
	•	•	4 GB • 1 module SODIMM DDR3-1600	+ 1
	•	•	8 GB • 1 module SODIMM DDR3-1600	+ 2
<b>INTERNAL PSU</b>	•	•	Without UPS (uninterruptible power supply)	
	•	•	With UPS (uninterruptible power supply) • integrated in power supply section • batteries kit not included > note 2	+ 1
<b>COMMUNICATION PORTS</b>	•	•	Without possibility to add communication ports, below described	
	•	•	With possibility to add communication ports, below described	

OPTIONS				POWER [W]
<b>SSD mSATA</b>	•	•	SSD mSATA onboard connector, SATA MLC	2
<b>CFAST</b>	•	•	CFAST SATA	1
<b>COMMUNICATION PORTS</b>	•	•	1 x RS232/422/485 serial port (DB15M) • 1 x USB 2.0 port > note 3	1
	•	•	1 x RS232/422/485 isolated serial port (DB15M) • 1 x USB 2.0 port > note 3	1
	•	•	2 x RS232 serial ports (DB9M) > note 3	2
	•	•	1 x USB 2.0 ports > note 3	0
	•	•	2 x USB 2.0 ports > note 3	0
	•	•	1 x Ethernet 10/100/1000Mbps, Intel® I210 + 1 x USB 2.0 port > note 3	1
<b>FIELDBUS</b>	•	•	1 x NETcore X card with "60pin-L" connector > note 3	3
<b>WIRELESS MODULES</b>	•	•	WiFi module, IEEE 802.11a/b/g/n, 2,4GHz - 5 GHz • Modem 3G/4G-LTE > note 3	7
<b>POWER SUPPLY</b>	•	•	Kit for ATX mode power supply functionality including on board button, internal cable and connector for remote command.	0
<b>UPS BATTERY KIT</b>	•	•	Batteries kit for detached mounting (wall mount)	15
<b>WARRANTY EXTENSION</b>	•	•	Warranty extension to 18 month	
	•	•	Warranty extension to 24 months	
	•	•	Warranty extension to 36 months	

NOTES	
1	The power consumption of the configuration takes into consideration the maximum absorbed power of every component and does not include the consumption of the devices connected to the USB ports.
2	All the configurations are available with front glass in substitution of the touchscreen. See pg.384
3	UPS module is supported by Microsoft Win32/64 operating systems
4	Options signed by note 3 cannot be installed together

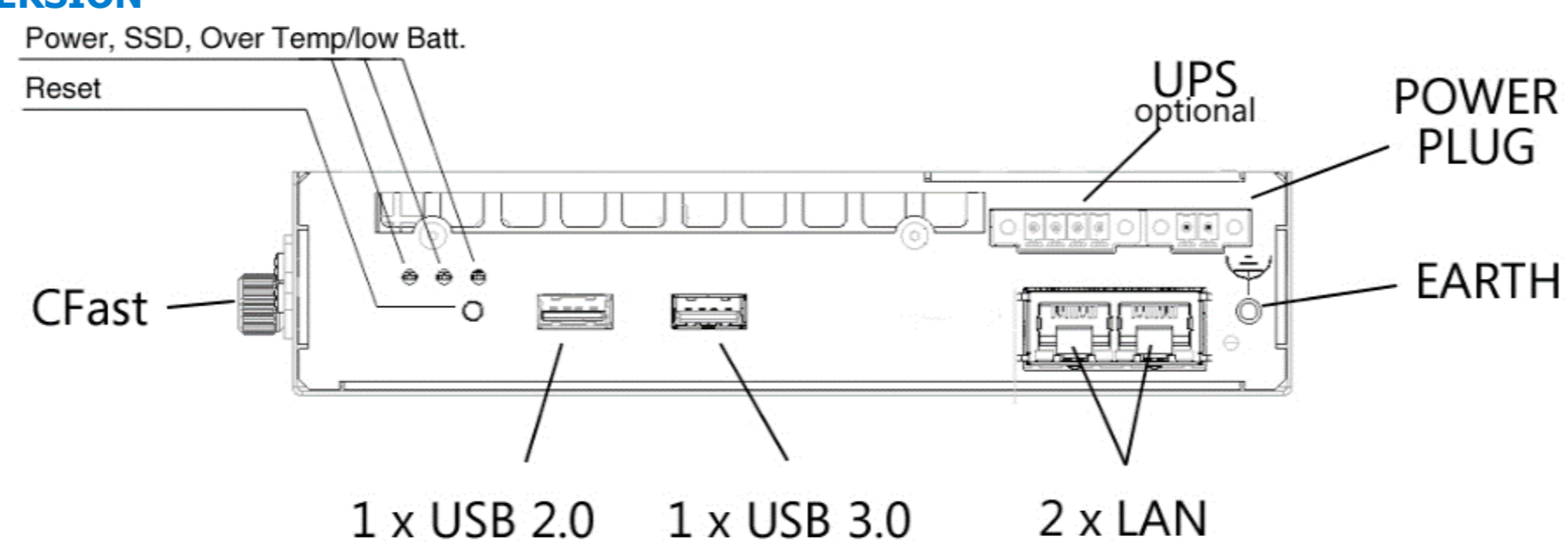
TECHNICAL SPECIFICATIONS	
Case	Panel mount
Overall dimensions & weight	See details on the related section
Front panel	Aluminum • ASEM logo sticker
Touchscreen	5 wires resistive technology • on board controller
Frontal protection	IP66
Power supply	24VDC isolated • Input voltage: 18÷32V DC • ATX mode push button (optional)
UPS (optional)	12V DC UPS (Uninterruptible Power Supply) battery backup system Batteries module (optional): Pb, 12V/13A max, 2500mA/h • Charge time 3h@25°C • Discharge time 15'@5A and 25°C • Lifetime 10years@25°C
Motherboard	"All-In-One" type • ASEM 932/A
Intel platform Processor	Intel® Celeron® J1900 • 2,00 GHz (2,42 GHz Burst), 2MB L2 cache • 4 cores, 4 threads • Soldered on-board
Operating System	O.S. certified by ASEM Microsoft Windows 10 IoT Enterprise 2019 LTSC 64bit • Microsoft Windows 10 IoT Enterprise 2016 LTSC 64bit • Microsoft Windows 8.1 Industry Pro 32/64bit • Microsoft Windows 7 Pro/Ultimate 32/64bit • Microsoft Windows Embedded Standard 7E/7P 32/64 bit • Linux Other operating systems, such as VxWorks, QNX, etc., have not been certified by ASEM but they are reasonably supported by the Intel platform after verification of compatibility
	O.S. not supported by Intel platform Microsoft Windows XP / 2000 / 98 / NT • Microsoft Windows CE 5 / 6
Software Remote assistance	ASEM UBIQUITY BASIC Win32/64 runtime license with ASEM sticker
Video controller	Intel® HD Graphics integrated into Intel® Celeron® microprocessor • 688MHz • LVDS 8bit/color digital interface
Video RAM (shared)	Dynamic Video Memory Technology • Memory quantity is automatically selected by operating system (max 1720 MB)
System memory	DDR3-1066 type • 1 SODIMM module • min 1GB • max 8GB
Mass storage	1 x onboard connector for direct insertion of mSATA SSD SATA II 3Gb/s
CFast slot	1 x bootable CFast SATA II slot on board with external access
Frontal access interfaces	1 x USB 2.0
Rear access interfaces	2 x Ethernet 10/100/1000 Mbps (RJ45), Intel® I210 • 1 x USB 3.0 (Type A) • 1 x USB 2.0 (Type A)
Environmental specifications	Operating temperature: 0° ÷ +50°C • Storage temperature: -20° ÷ +60°C • Humidity: 80% (non-condensing)
Approvals	CE (EN 55022, EN 61000-3-2/3, EN 55024, EN 60950-1) • cULus LISTED (UL61010) pending
Standard warranty	12 months • Warranty management by ASEM headquarters

### DIMENSIONS (mm)



LCD TFT	A	B	C	D	E	(SL/S0)	G	H	Weight (kg)
6,5"	200	175	192	167	4	39 / 55	19	5	tbd
7" W	215	167	207	159	4	39 / 55	19	5	tbd
8,4"	250	210	230	190	10	39 / 55	19	5	tbd
10,1" W	293	212	277	196	8	39 / 55	19	5	tbd
10,4"	300	245	280	225	10	39 / 55	19	5	tbd
12,1"	335	270	315	250	10	39 / 55	19	5	tbd
12,1" W	331	234	313	216	9	39 / 55	21	5	tbd
15"	390	315	370	295	10	39 / 55	19	6	tbd
15,6" W	430	275	410	255	10	39 / 55	19	6	tbd

### CONNECTORS - SL VERSION



### CONNECTORS - S0 VERSION

