


Industrial Automation - International Price List

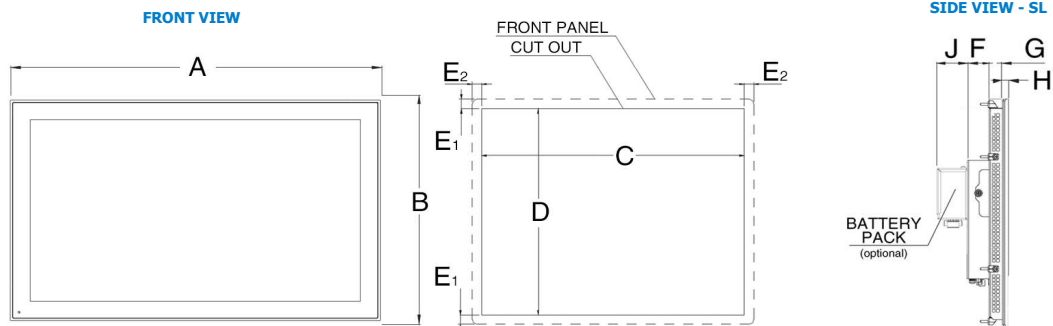
				QT2200-TFM/SL BASIC SYSTEM fanless		POWER [W]
Basic Configuration		LCD TFT 15,6" W HD • Touch-Screen Multitouch • Aluminum and glass TrueFlat front panel • Intel® Celeron® quad core J1900 2,00 GHz • 2GB RAM • Without possibility to add communication ports • 24V DC isolated power supply • UBIQUITY BASIC Win32/64 runtime • 12 months warranty			33	
				QT2200-TFM/S0 BASIC SYSTEM fanless - predisposition for SSD/HDD 2,5" or SSD mSATA		POWER [W]
Basic Configuration		LCD TFT 15,6" W HD • Touch-Screen Multitouch • Aluminum and glass TrueFlat front panel • Intel® Celeron® quad core J1900 2,00 GHz • 2GB RAM • Predisposition for SSD/HDD 2,5" o SSD mSATA • With possibility to add communication ports • 24V DC isolated power supply • UBIQUITY BASIC Win32/64 runtime • 12 months warranty			33	
				QT2200-TFM/S1 BASIC SYSTEM fanless - predisposition for SSD/HDD 2,5" or SSD mSATA		POWER [W]
Basic configuration		LCD TFT 15,6" W HD • Touch-Screen Multitouch • Aluminum and glass TrueFlat front panel • Intel® Celeron® quad core J1900 2,00 GHz • 2GB RAM • Predisposition for SSD/HDD 2,5" o SSD mSATA • With possibility to add communication ports • UBIQUITY BASIC Win32/64 runtime • 24V DC isolated power supply • 1 PCI slot • UBIQUITY BASIC Win32/64 runtime • 12 months warranty			37	
		SL	S0	S1		
REMOTE ASSISTANCE		•	•	•	ASEM UBIQUITY BASIC Win32/64 runtime	-
PROCESSOR		•	•	•	Intel® Celeron® J1900 • 2,00 GHz (2,42 GHz Burst), 2MB L2 cache • 4 cores, 4 threads • Soldered on-board	
DISPLAY & TOUCH-SCREEN		•	•	•	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 • P-CAP projected capacitive multitouch	- 1
		•	•	•	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 • P-CAP projected capacitive multitouch	
		•	•	•	15,6" W LCD TFT 16:9 • 1920x1080 (FHD), 16M colors • LED backlight, 400 cd/m2 • Viewing angle L:R/U:L (typ): 85°:85°/85°:85° Touch-Screen • P-CAP projected capacitive multitouch	+ 10
		•	•	•	18,5" W LCD TFT 16:9 • 1366x768 (HD), 16M colors • LED backlight, 300 cd/m2 • Viewing angle L:R/U:L (typ): 75°:75°/70°:70° Touch-Screen • P-CAP projected capacitive multitouch	+ 11
		•	•	•	18,5" W LCD TFT 16:9 • 1920x1080 (FHD), 16M colors • LED backlight, 400 cd/m2 • Viewing angle L:R/U:L (typ): 85°:85°/85°:85° Touch-Screen • P-CAP projected capacitive multitouch	+ 22
		•	•	•	21,5" W LCD TFT 16:9 • 1920x1080 (FHD), 16M colors • LED backlight, 300 cd/m2 • Viewing angle L:R/U:L (typ): 89°:89°/89°:89° Touch-Screen • P-CAP projected capacitive multitouch	+ 21
RAM MEMORY		•	•	•	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
INTERNAL PSU		•	•	•	Without UPS (uninterruptible power supply)	
		•	•	•	With UPS (uninterruptible power supply) • integrated in power supply section • batteries kit not included > note 1	+ 1
COMMUNICATION PORTS		•	•	•	Without possibility to add communication ports, below described	
		•	•	•	With possibility to add communication ports, below described	
EXPANSION SLOTS		•	•	•	No expansion slots	
		•	•	•	1 x PCI half size • on riser card • expansion board with max consumption 3W	
		•	•	•	1 x PCIe x1 format (Generation 1 2.5Gbit/s) half size • on riser card • expansion board with max consumption 3W	+ 0
				OPTIONS		POWER [W]
SSD mSATA > note 2		•	•	•	SSD on mSATA connector onboard, SATA	2
SSD 2,5" > note 2		•	•	•	SSD 2,5" SATA installation kit (SSD not included)	-
		•	•	•	SSD 2,5", SATA	5
HDD 2,5" > note 2		•	•	•	HDD 2,5" SATA installation kit (HDD not included) • with shock absorber	-
		•	•	•	HDD 2,5" SATA	6
CFAST		•	•	•	CFast SATA	1
COMMUNICATION PORTS		•	•	•	1 x RS232/422/485 serial port (DB15M) • 1 x USB 2.0 port > note 3	1
		•	•	•	1 x RS232/422/485 optoisolated serial port (DB15M) • 1 x USB 2.0 port > note 3	1
		•	•	•	2 x RS232 serial ports (DB9M) > note 3	2
		•	•	•	2 x USB 2.0 ports > note 3	0
		•	•	•	1 x Ethernet 10/100/1000Mbps, Intel® I210 > note 4	1
FIELDBUS		•	•	•	1 x NETcore X card with "26pin" connector > note 4	3
WIRELESS MODULES		•	•	•	WiFi module, IEEE 802.11a/b/g/n, 2,4GHz - 5 GHz • Modem 3G/4G-LTE > note 4	7
POWER SUPPLY		•	•	•	Kit for ATX mode power supply functionality including on board button, internal cable and connector for remote command.	0
UPS BATTERY KIT		•	•	•	Batteries kit for rear systems mounting • cable included	15
		•	•	•	Batteries kit for detached mounting (wall mount) • 100cm cable included	15
WARRANTY EXTENSION		•	•	•	Warranty extension to 18 month	
		•	•	•	Warranty extension to 24 months	
		•	•	•	Warranty extension to 36 months	

NOTES						
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.						
1: UPS module is supported by Microsoft Win32/64 operating systems						
2: mSATA SSD and 2,5" SSD/HDD devices cannot be installed together						
3: Communication ports signed by note 3 cannot be installed together						
4: Communication ports signed by note 4 cannot be installed together						



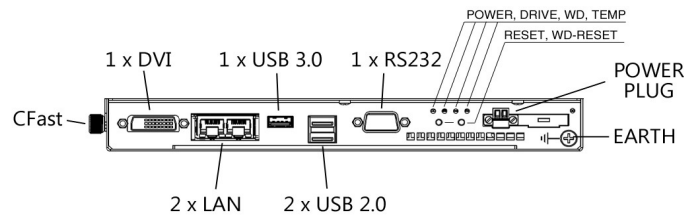
TECHNICAL SPECIFICATIONS	
Case	Panel mount
Overall dimensions & weight	See details on the related section
Front panel	Aluminum and tempered glass TrueFlat
Touchscreen	Projective capacitive multitouch
Frontal protection	IP66
Power supply	24VDC isolated • Input voltage: 18÷32V DC • ATX mode push button (optional)
UPS (optional)	12V DC UPS (Uninterruptible Power Supply) battery backup system Batteries module (optional): Pb, 12V/13Ah max, 2500mAh • Charge time 3h@25°C • Discharge time 15@5A and 25°C • Lifetime 10years@25°C
Motherboard	"All-In-One" type • ASEM 954
Watch dog	Time programmable
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 2016 64bit • Microsoft Windows 8.1 Industry Pro • Microsoft Windows 7 Pro/Ultimate 32/64bit • Microsoft Windows Embedded Standard 7P 32/64 bit 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 interfaces	SL 1 x mSATA II 3Gb/s S0/S1 1 x SATA II 3Gb/s or 1 x mSATA II 3Gb/s
CFast slot	1 x slot CFast (bootable) external access
Bus expansions slots	on riser card (S1) 1 x PCI or 1 x PCIe x1 • half size boards with 3W max consumption • alternative to each other
Rear access interfaces	2 x Ethernet 10/100/1000 Mbps (RJ45), Intel® I210 • 1 x USB 3.0 (Type A) • 2 x USB 2.0 (Type A) • 1 x DVI-I Single Link (max resolution: DVI-D/VGA 1920x1080 FullHD)
Rear access serial interfaces	1 x RS-232 (DB9M)
Environmental specifications	Operating temperature: 0° ± +50°C, 0°C ± +45°C with 24x7 HDD or LCD 24", +5°C ± +45°C with standard HDD • 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 (UL508)
Standard warranty	12 months • Warranty management by ASEM headquarters

DIMENSIONS (mm)

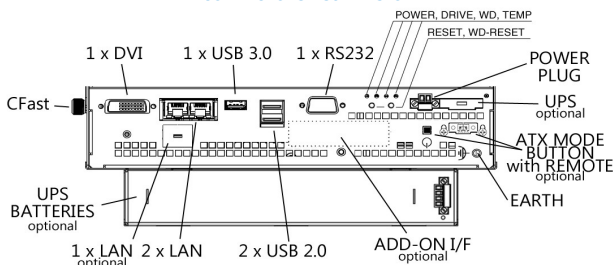


LCD TFT	A	B	C	D	E ₁ /E ₂	F (SL/S0/S1)	G	H	J	Weight (kg)
12,1"	308	210	301	203	3,5/3,5	29 / 56 / 77	17,5	4,5	41,8	tbd
15,6"	395,5	245	387,5	237,5	4/3,8	29 / 56 / 77	24,2	7	41,8	tbd
18,5"	461	282	453	274,5	4/3,8	29 / 56 / 77	24,2	7	41,8	tbd
21,5"	528	319	520	312	4/3,5	29 / 56 / 77	24,2	7	41,8	tbd

CONNECTORS - SL VERSION



CONNECTORS - S0 VERSION



CONNECTORS - S1 VERSION

