

QT2150 & HT2150

Fanless entry level panel IPCs
with Intel® Bay Trail platform



HIGHLIGHTS

- TFT LCDs in 8.4", 10.4", 12.1", 15" in 4:3 aspect ratio and 7", 10.1", 12.1", 15.6" in Wide aspect ratio
- Resolution up to Full HD
- Aluminum (ALU) and aluminum True Flat (TF) front panels with resistive touchscreen
- Aluminum and glass True Flat panels with multitouch projected capacitive touchscreen (TFM)
- Intel® Celeron® J1900 quad-core 2,00 GHz processors of Bay Trail SoC generation
- RAM up to 8GB
- Fanless IPCs
- Built-in UPS with external battery pack (optional)
- Available in SL version with reduced depth and S0 version with the possibility to install additional interfaces
- Integrated UBIQUITY software for remote assistance via end-to-end VPN connection
- FactoryTalk® Optix™ software for HMI and Edge Computing applications (optional)

 **UBIQUITY INSIDE**

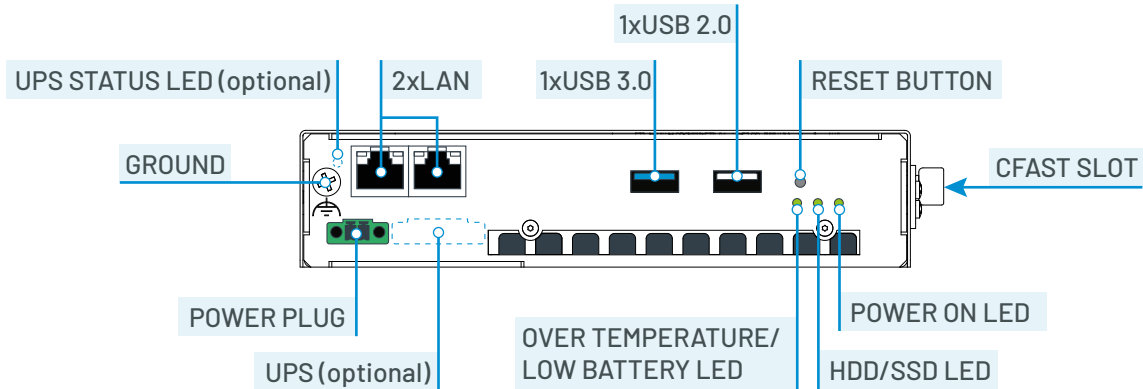
 **Optix™ OPTIONAL**

  
 **LISTED**

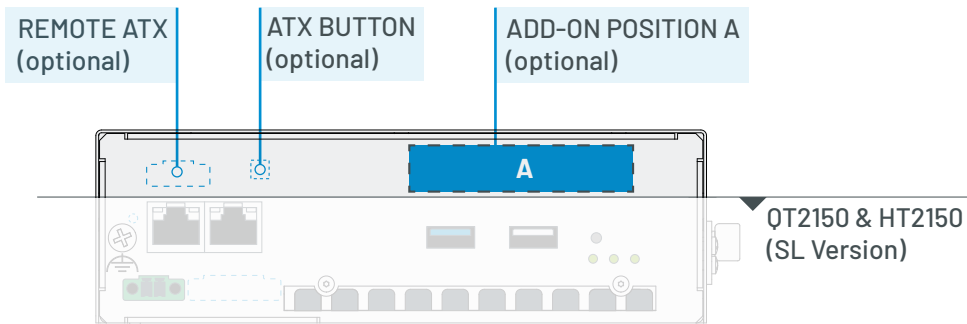
QT2150 & HT2150

I/O SHIELDS AND ADD-ON BOARDS

QT2150 & HT2150 -(SL Version)



QT2150 & HT2150 -(SO Version)



POSITION A

- 1x RS232/422/485 (DB15M) + 1x USB 2.0 (Type-A)
- 1x RS232/422/485 (DB15M) isolated + 1x USB 2.0 (Type-A)
- 2x RS232/422/485 (DB9M)
- 2x RS232/422/485 optoisolated (DB9M)
- 1x USB 2.0 (Type-A)
- 2x USB 2.0 (Type-A)
- 1x Gigabit Ethernet (RJ45) + 1x USB 2.0 (Type-A)

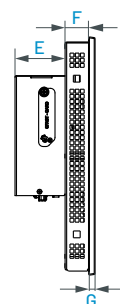
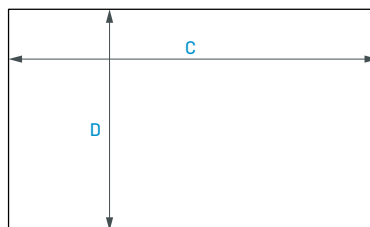
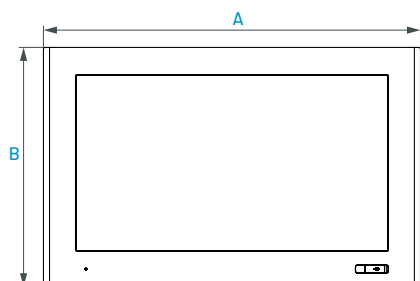
DIMENSIONS

FRONT VIEW

CUT-OUT

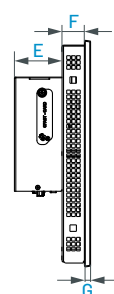
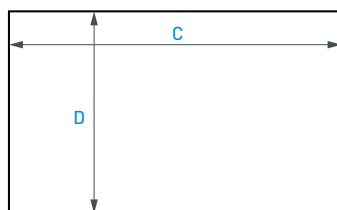
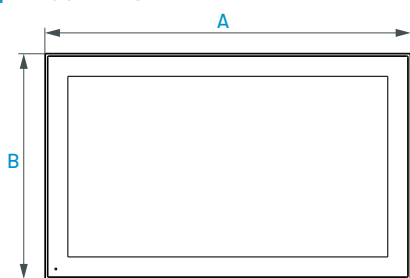
SIDE VIEW

HT2150 - ALU/TF



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

QT2150 - ALU/TFM



LCD	A	B	C	D	E (SL/S0)	F	G ALU/TFM
7"W	203	149	196	140	39/55	-	5 / 4
10,1"W	262,5	181	255,5	174	39/55	17,5	4,5
12,1"W	308	210	301	203	39/55	17,5	4,5
15,6"W	395	245	388	238	39/55	25	4,5 / 6

GALLERY



HT2150-ALU



HT2150-TF



QT2150-ALU



QT2150-TFM

QT2150 & HT2150

TECHNICAL DATA

		QT2150-ALU	QT2150-TFM	HT2150-ALU	HT2150-TF
LED BACKLIGHT TFT LCD		7" W - 800x480 10.1" W - 1280x800 12.1" W - 1280x800 15.6" W - 1366x768		7" W - 800x480 8.4" - 800x600 10.1" W - 1280x800 10.4" - 800x600 12.1" - 800x600 12.1" - 1024x768 12.1" W - 1280x800 15" - 1024x768 15.6" W - 1366x768	
CUT-OUT		QT		HT	
FRONT USB		-		1x USB 2.0 (Type-A), protected	
TOUCHSCREEN		Resistive 5 wires	P-CAP Multitouch	Resistive 5 wires	
FRONT PANEL	Material	Aluminum	True Flat Aluminum	Aluminum	True Flat Aluminum
	ASEM Logo	-		Adhesive label	Silk screen printed
PROTECTION GRADE	IP rating	IP65 - frontal			
	NEMA rating	UL Type 1, 4x (indoor only)		UL Type 1, 4x (indoor only) and 12	
CASE	Installation	Panel mounting			
	Material	Zinc-coated skin pass steel			
PROCESSOR (soldered on-board)		Intel® Celeron® J1900 2.00Ghz (2.30GHz Burst) • 4 cores / 4 threads • 2MB L2 cache • 22nm			
CHIPSET		Intel® Bay Trail • Included into processor chip (SoC)			
VIDEO CONTROLLER		Intel® HD Graphics for Intel Atom® processor Z3700 series • 688MHz/854MHZ			
SYSTEM MEMORY RAM		1GB or 2GB or 4GB or 8GB SODIMM DDR3L module			
MASS STORAGE	CFast	1x bootable CFast SATA II slot onboard with external access (up to 240GB)			
	SSD mSATA	1x onboard connector for direct insertion of mSATA SSD SATA II (up to 960GB)			
INTERFACES	LAN	2x Gigabit Ethernet (RJ45)			
	USB	1x USB 3.0 (Type-A) • 1x USB 2.0 (Type-A)			
	VIDEO	-			
ADD-ON INTERFACES (optional)	Position A (max 1) only S0 version and BM	1x RS232/422/485 (DB15M) + 1x USB 2.0 (Type-A) 1x RS232/422/485 (DB15M) isolated + 1x USB 2.0 (Type-A) 2x RS232/422/485 (DB9M) 2x USB 2.0 (Type-A) 1x Gigabit Ethernet (RJ45) + 1x USB 2.0 (Type-A) 1x Wi-Fi module (IEEE 802.11 a/b/g/n/ac, 2.4GHz/5GHz • Bluetooth 4.2) and/or 1x Cellular module (worldwide LTE Cat 4, GSM/GPRS, UMTS/HSPA coverage)			
POWER SUPPLY INPUT		24VDC (18÷32VDC) isolated			
POWER SUPPLY (optional)	UPS	UPS with external battery pack (Pb • 12V/2,5Ah) (separate mounting)			
	ATX only S0 version and BM w/o UPS	Kit for ATX mode power supply (push button, internal cable and connector for remote control)			
	ATX only BM w/ UPS	-			
BATTERY		1x CR2032 Internal access			
O.S. CERTIFIED		Microsoft Windows 7 Pro/Ultimate 32/64bit Microsoft Windows Embedded Standard 7E/7P 32/64 bit Microsoft Windows 10 IoT Enterprise 2016/2019 64 bit			
OPERATING TEMPERATURE		0°C ÷ 50°C			
STORAGE TEMPERATURE		-5°C ÷ 60°C			
OPERATING/STORAGE RELATIVE HUMIDITY		20% ÷ 90% RH (non-condensing)			
APPROVALS		CE RoHS UKCA cULus Listed			

