

QT2250 & HT2250

Fanless entry level panel IPCs with
Intel® Apollo Lake platform



HIGHLIGHTS

- TFT LCDs in 10.4", 12.1", 15" in 4:3 aspect ratio, 17" and 19" in 5:4 aspect ratio and 7", 10.1", 12.1", 15.6", 18.5", 21.5", 24" 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)
- Stainless steel (AISI 304L) True Flat (TFK) front panel with resistive touchscreen
- Intel Atom® x5-E3930 dual-core 1,30 GHz and x7-E3950 quad-core 1,60 GHz processors of Apollo Lake 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**

IP69K



(only TFK frontal)

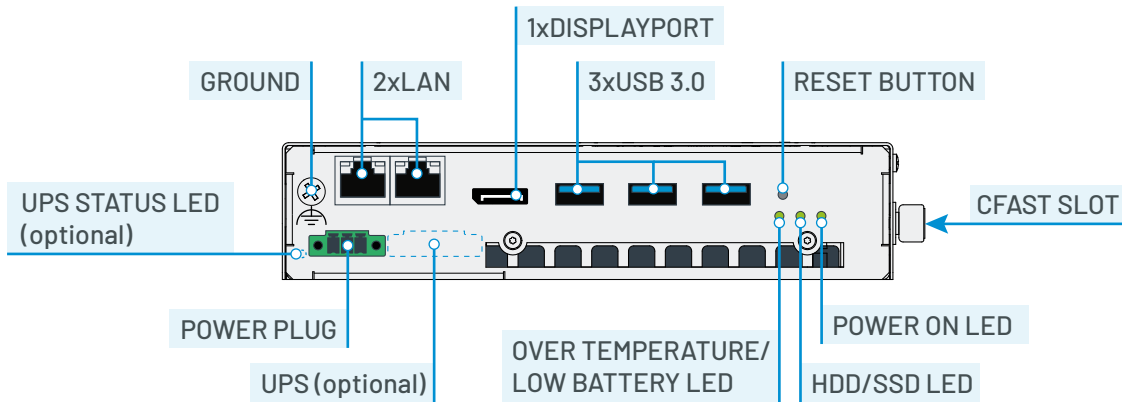


A ROCKWELL AUTOMATION COMPANY

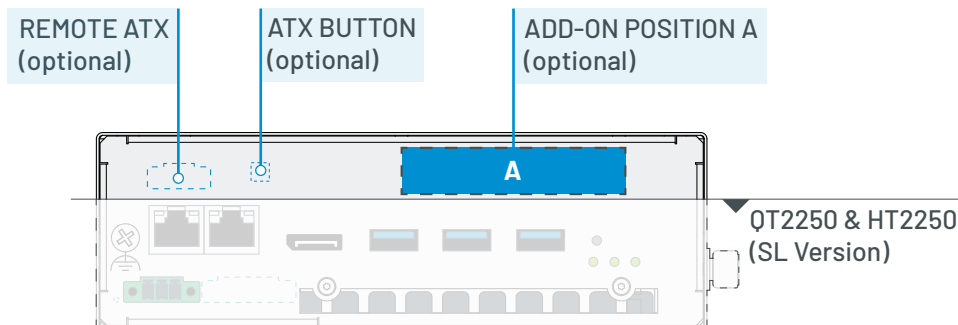
QT2250 & HT2250

I/O SHIELDS AND ADD-ON BOARDS

QT2250 & HT2250 – (SL Version)



QT2250 & HT2250 – (SO Version)



POSITION A

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

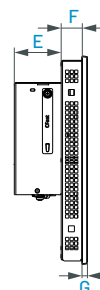
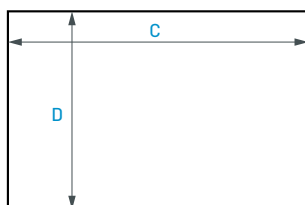
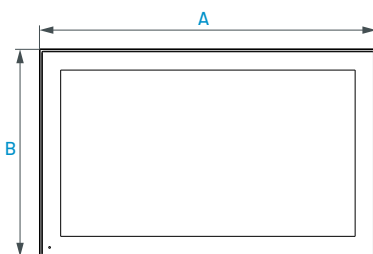
DIMENSIONS

FRONT VIEW

CUT-OUT

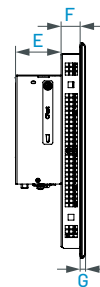
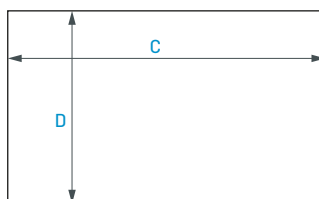
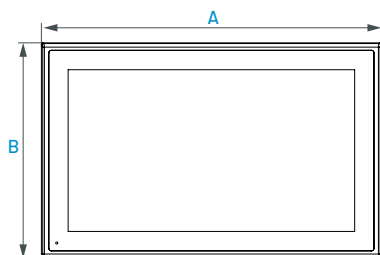
SIDE VIEW

QT2250 - ALU/TFM



LCD	A	B	C	D	E (SL/SO)	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	395,5	245	388	238	39/55	25	4,5 / 6
18,5"W	461	282	453	274	39/55	25	6
21,5"W	528	319	520	312	39/55	25	6
24"W	584	352	577	344	39/55	25	6

QT2250 - TFK



LCD	A	B	C	D	E	F	G
7"W	218	159.5	196	140	39/55	-	6
10.1"W	278.5	196.5	255,5	174	39/55	17,5	6
12.1"W	324	226	301	203	39/55	17,5	6
15.6"W	410.5	260	388	238	39/55	25	6
18.5"W	476	297	453	274	39/55	25	6
21.5"W	543.5	334.5	520	312	39/55	25	6
24"W	599.5	367	577	344	39/55	25	6

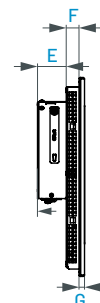
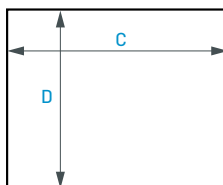
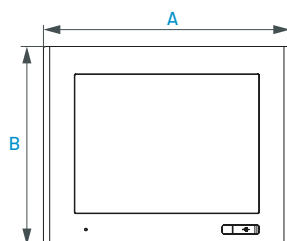
DIMENSIONS

FRONT VIEW

CUT-OUT

SIDE VIEW

HT2250 - ALU/TF



LCD	A	B	C	D	E (SL/SO)	F	G
10,4"	300	245	280	225	39/55	19	5
12,1"	335	270	315	250	39/55	19	5
15"	390	315	370	295	39/55	19	6
17"	455	355	435	335	39/55	21	6
19"	490	388	470	368	39/55	23	6

GALLERY



QT2250-ALU



QT2250-TFM



QT2250-TFK



HT2250-ALU



HT2250-TF

QT2250 & HT2250

TECHNICAL DATA

		QT2250-ALU	QT2250-TFM	QT2250-TFK	HT2250-ALU	HT2250-TF	
LED BACKLIGHT TFT LCD		7" W - 800x480 10.1" W - 1280x800 12.1" W - 1280x800 15.6" W - 1366x768 15.6" W - 1920x1080 18.5" W - 1366x768 18.5" W - 1920x1080 21.5" W - 1920x1080 24" W - 1920x1080		10.1" W - 1280x800 12.1" W - 1280x800 15.6" W - 1366x768 15.6" W - 1920x1080 18.5" W - 1366x768 18.5" W - 1920x1080 21.5" W - 1920x1080 24" W - 1920x1080	10.4" - 800x600 12.1" - 800x600 12.1" - 1024x768 15" - 1024x768 17" - 1280x1024 19" - 1280x1024		
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	True Flat Stainless Steel	Aluminum	True Flat Aluminum	
	ASEM Logo	-			Adhesive label	Silk screen printed	
PROTECTION GRADE	IP rating	IP65 - frontal		IP69K - frontal	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 Atom® x5-E3930 1.30Ghz (1.80Ghz Burst) • 64bit • 2 cores / 2 threads • 2MB L2 cache • 14nm Intel Atom® x7-E3950 1.60Ghz (2.00Ghz Burst) • 64bit • 4 cores / 4 threads • 2MB L2 cache • 14nm					
CHIPSET		Intel® Apollo Lake • Included into processor chip (SoC)					
VIDEO CONTROLLER		Intel® HD Graphics 500 integrated in x5-E3930 processor • 400MHz/550MHZ Intel® HD Graphics 505 integrated in x7-E3950 processor • 500MHz/650MHZ					
TPM		Intel® PTT (TPM integrated) • Discrete TPM 2.0 module (optional)					
SYSTEM MEMORY RAM	with x5-E3930	4GB LP-DDR4 module					
	with x7-E3950	4GB or 8GB LP-DDR4 module					
MASS STORAGE	CFast	1x bootable CFast SATA III slot onboard with external access (up to 240GB)					
	M.2 SSD	1x onboard connector for direct insertion of M.2 2242 SATA III SSD (up to 480GB)					
INTERFACES	LAN	2x Gigabit Ethernet (RJ45)					
	USB	3x USB 3.0 (Type-A)					
	VIDEO	1x DisplayPort++ V1.2					
ADD-ON INTERFACES (optional)	Position A (max 1) only S0 version and BM	2x RS232/422/485 (DB9M) 2x RS232/422/485 optoisolated (DB9M) 1x RS232/422/485 (DB15M) + 1x USB 2.0 (Type-A) 1x RS232/422/485 (DB15M) isolated + 1x USB 2.0 (Type-A) 2x USB 2.0 (Type-A) 1x Gigabit Ethernet (RJ45) + 1x USB 2.0 (Type-A)					
POWER SUPPLY INPUT		24VDC (18÷32VDC) isolated					
POWER SUPPLY (optional)	UPS	UPS with external battery pack (NiMH • 12V/2,5Ah) (backside or separate mounting)					
	ATX only S0 version and BM	Kit for ATX mode power supply (push button, internal cable and connector for remote control)					
BATTERY		1x CR2032 Internal access					
O.S. CERTIFIED		Microsoft Windows 10 IoT Enterprise 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					

