

QT3500 & HT3500

Fanless panel IPCs con Intel® Kaby Lake U



HIGHLIGHTS

- LCD TFT da 12.1" e 15" in formato 4:3, da 17" e 19" in formato 5:4 e da 12.1", 15.6", 18.5", 21.5" e 24" in formato Wide
- Risoluzione fino a Full HD
- Pannelli frontali in alluminio (ALU) e alluminio True Flat (TF) con touchscreen resistivo
- Pannelli frontali in alluminio e vetro True Flat con touchscreen capacitivo retroproiettato multitouch (TFM)
- Pannelli frontali in acciaio inox True Flat (TFX) con touchscreen resistivo
- Processori Intel® Celeron® 3965U dual-core 2,20 GHz, Intel® Core™ i3-7100U dual-core 2,40 GHz, Intel® Core™ i5-7300U dual-core 2,60 GHz and Intel® Core™ i7-7600U dual-core 2,80 GHz della generazione Kaby Lake
- RAM fino a 16GB
- Fanless IPC
- UPS integrato con kit batterie esterno (opzionale)
- Disponibili in versione SL con profondità ridotta, versione S0 con la possibilità di installare interfacce aggiuntive e versione S1 con uno slot di espansione PCI o PCIe
- Disponibili con interfaccia aggiuntiva RVL (Remote Video Link) per la remotazione dei segnali DVI-D e USB 2.0 fino a 100m (opzionale)
- Software UBIQUITY integrato per la teleassistenza attraverso connessione VPN end-to-end
- Software UNIQO per realizzare HMI moderne, IIoT gateway e applicazioni Industry 4.0 (opzionale)



 UBIQUITY INSIDE

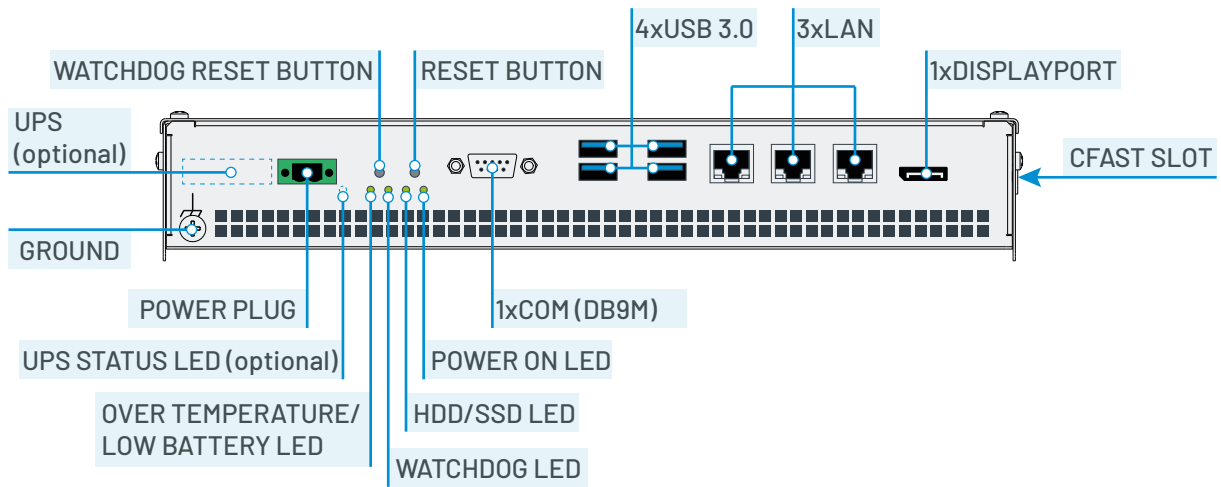
 UNIQO OPTIONAL

 RVL  OPTIONAL

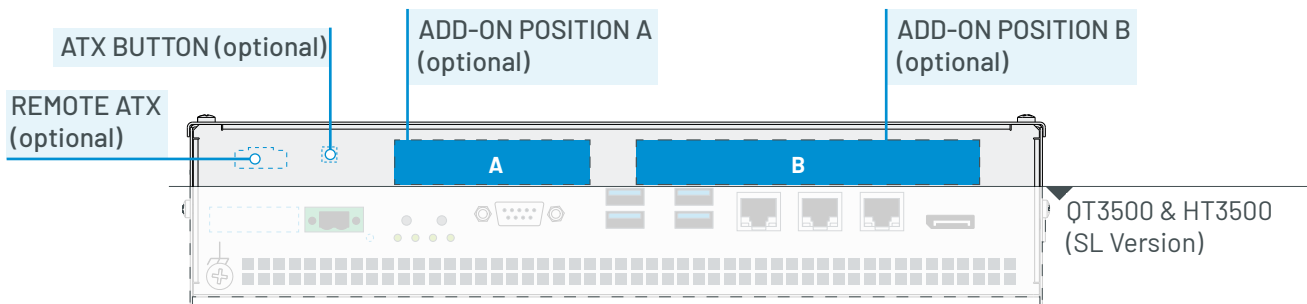
QT3500 & HT3500

I/O SHIELD E SCHEDE DI ADD-ON

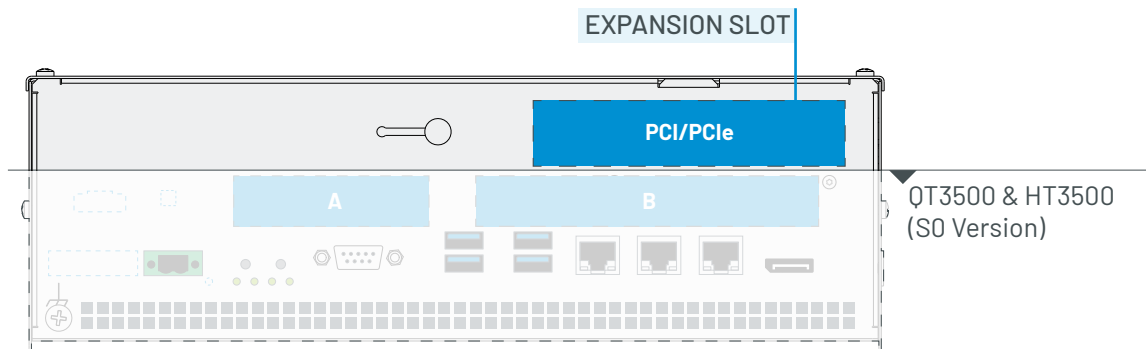
QT3500 & HT3500 - (SL Version)



QT3500 & HT3500 - (S0 Version)



QT3500 e HT3500 - (S1 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 (DB9M)
- 2x USB 2.0 (Type-A)

POSITION B

- 1x Gigabit Ethernet (RJ45)
- 1x DVI-D (Resolution up to 1900x1200)
- 1x RJ45 connector for RVL
- 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)

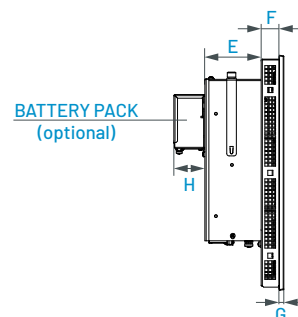
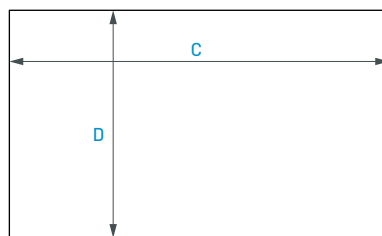
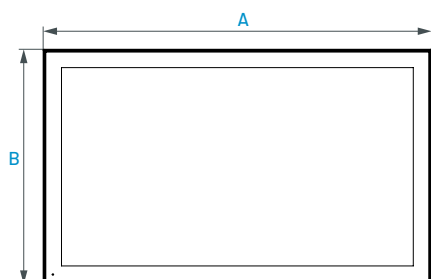
DIMENSIONI

FRONT VIEW

CUT-OUT

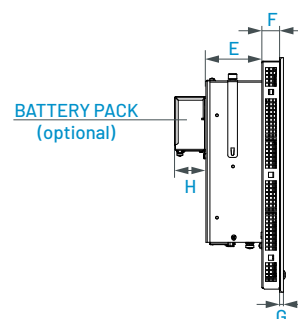
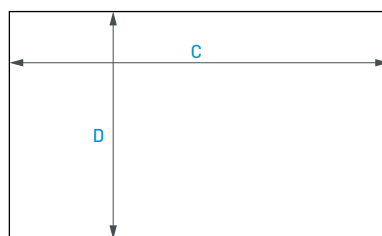
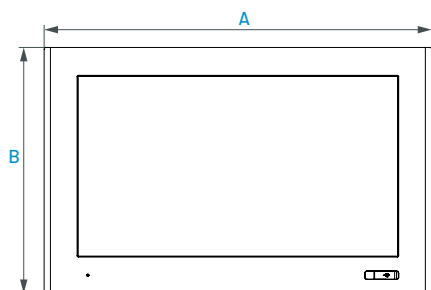
SIDE VIEW

QT3500 - ALU/TFM



LCD	A	B	C	D	E (SL/S0/S1)	F	G (ALU/TFM)	H
15,6"W	395	245	388	238	44,5/59,5/90,5	25	4,5 / 6	41.8
18,5"W	461	282	453	274	44,5/59,5/90,5	25	6	41.8
21,5"W	528	319	520	312	44,5/59,5/90,5	25	6	41.8
24"W	584	352	577	344	44,5/59,5/90,5	25	6	41.8

HT3500 - ALU/TF



LCD	A	B	C	D	E (SL/S0/S1)	F	G	H
12,1"	335	270	315	250	44,5/59,5/90,5	19	5	41.8
12,1" W	331	234	313	218	44,5/59,5/90,5	21	5	41.8
15"	390	315	370	295	44,5/59,5/90,5	19	6	41.8
15,6"W	430	275	410	255	44,5/59,5/90,5	19	6	41.8
17"	455	355	435	335	44,5/59,5/90,5	21	6	41.8
18,5"W	500	320	480	300	44,5/59,5/90,5	21	6	41.8
19"	490	388	470	368	44,5/59,5/90,5	23	6	41.8
21,5"W	579	367	559	347	44,5/59,5/90,5	23	6	41.8
24"W	640	402	620	382	44,5/59,5/90,5	21.3	8	41.8

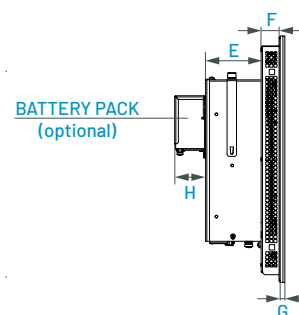
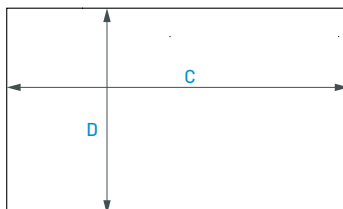
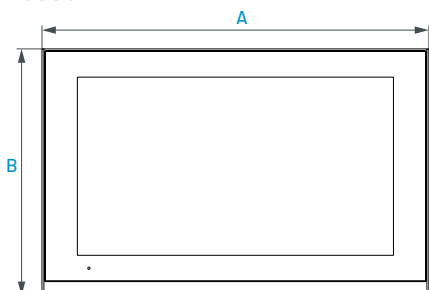
DIMENSIONI

FRONT VIEW

CUT-OUT

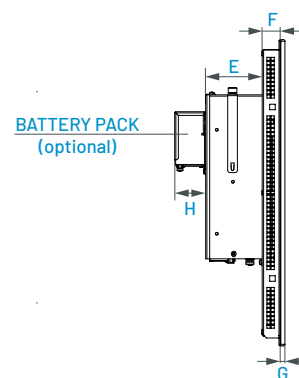
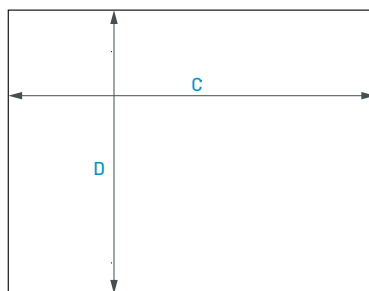
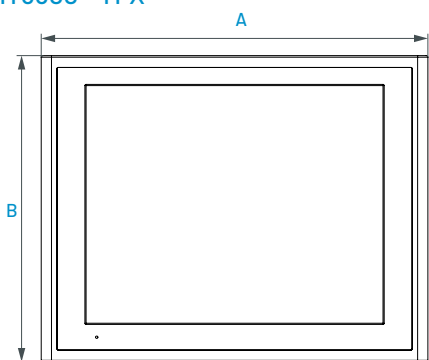
SIDE VIEW

HT3500 - TFM



LCD	A	B	C	D	E (SL/S0/S1)	F	G	H
12,1"W	331	234	313	218	44,5/59,5/90,5	23	5	41.8
15,6"W	433	280.5	410	255	44,5/59,5/90,5	26	6	41.8
18,5"W	503	320.5	480	300	44,5/59,5/90,5	25	6	41.8
21,5"W	581.5	367.5	559	347	44,5/59,5/90,5	25	8	41.8
24,0"W	640	402	620	382	44,5/59,5/90,5	21	8	41.8

HT3500 - TFX



LCD	A	B	C	D	E (SL/S0/S1)	F	G	H
12.1"	335	270	315	250	44,5/59,5/90,5	19	6	41.8
15.0"	398	315	370	295	44,5/59,5/90,5	19	6	41.8
17.0"	455	355	435	335	44,5/59,5/90,5	21	6	41.8
19.0"	490	388	470	368	44,5/59,5/90,5	23	6	41.8

QT3500 & HT3500

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	QT3500-ALU	QT3500-TFM	HT3500-ALU	HT3500-TF	HT3500-TFM	HT3500-TFX	
LED BACKLIGHT TFT LCD	15.6" W - 1366x768 15.6" W - 1920x1080 18.5" W - 1366x768 18.5" W - 1920x1080 21.5" W - 1920x1080 24"W - 1920x1080		12.1" - 800x600 12.1" - 1024x768 12.1" W - 1280x800 15" - 1024x768 15.6" W - 1366x768 15.6" W - 1920x1080 17" - 1280x1024 18.5" W - 1366x768 18.5" W - 1920x1080 19" - 1280x1024 21.5" W - 1920x1080 24"W - 1920x1080		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		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		P-CAP Multitouch	Resistive 5 wires	
FRONT PANEL	Material	Aluminum	True Flat Aluminum	Aluminum	True Flat Aluminum		True Flat Stainless Steel
	ASEM Logo	-		Adhesive label	Silk-screen printed	-	Silk-screen printed
PROTECTION GRADE	IP rating	IP65 - frontal				IP66K - frontal	
	NEMA rating	UL Type 1, 4x (indoor only)		UL Type 1, 4x (indoor only) and 12			
CASE	Installation	Panel mounting					
	Material	Zinc coated stainless steel					
PROCESSOR (soldered on-board)	Intel® Celeron® 3965U 2.20GHz 64bit• 2 cores / 2 threads• 2MB Smart cache• 14nm Intel® Core™ i3-7100U 2.40GHz 64bit• 2 cores / 4 threads• 3MB Smart cache• 14nm Intel® Core™ i5-7300U 2.60GHz (3.50GHz Turbo) 64bit• 2 cores / 4 threads• 3MB Smart cache• 14nm Intel® Core™ i7-7600U 2.80GHz (3.90GHz Turbo) 64bit• 2 cores / 4 threads• 4MB Smart cache• 14nm						
CHIPSET	Intel® Kaby Lake U PCH (Platform Controller Hub) • Included into processor chip (SoC)						
VIDEO CONTROLLER	Intel® HD Graphics 610 integrated in Intel® Celeron® processor• 300MHz/900MHz Intel® HD Graphics 620 integrated in Intel® Core™ i3 processor• 300MHz/1GHz Intel® HD Graphics 620 integrated in Intel® Core™ i5 processor• 300MHz/1.10GHz Intel® HD Graphics 620 integrated in Intel® Core™ i7 processor• 300MHz/1.15GHz						
WATCHDOG	Programmable time period						
TPM	Discrete version only for S0/S1 versions and BM	Firmware TPM integrated • Discrete TPM 2.0 module (optional)					
SYSTEM MEMORY RAM	4GB or 8GB or 16GB (1x SODIMM DDR4 module)						
MASS STORAGE	Cfast	1x bootable CFast SATA III slot onboard with external access (up to 240GB)					
	SSD M.2	1x onboard connector for direct insertion of M.2 2280 NVMe PCIe x2 SSD (up to 512GB) or M.2 2280 NVMe PCIe x4 SSD (up to 1TB) ¹ or M.2 2242 SATA III SSD (up to 480GB)					
	SSD/HDD only S0/S1 versions and BM	1x onboard connector for SSD/HDD 2.5" SATA III with internal installation kit					
INTERFACES	LAN	3x Gigabit Ethernet (RJ45)					
	USB	4x USB 3.0 (Type-A)					
	SERIAL	1x RS232 (DB9M)					
	VIDEO	1x DisplayPort++ V1.2					
ADD-ON INTERFACES (optional) not available for SL version	Position A (max 1)	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 (DB9M) 2x USB 2.0 (Type-A)					
	Position B (max 1)	1x Gigabit Ethernet (RJ45) 1x DVI-D (Resolution up to 1900x1200) 1x RJ45 connector for RVL 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)					

DATI TECNICI

	QT3500-ALU	QT3500-TFM	HT3500-ALU	HT3500-TF	HT3500-TFM	HT3500-TFX
EXPANSION SLOTS	only S1 version 1x PCI half-length or 1x PCIe x4 half-length, on riser card, max 5W					
POWER SUPPLY INPUT	24VDC (18÷32VDC) isolated					
POWER SUPPLY (optional)	UPS UPS with external battery pack (Pb• 12V/2.5A) (backside or separate mounting)					
	ATX only S0/S1 versions 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 2019/2016 64 bit					
OPERATING TEMPERATURE	0°C ÷ 50°C 0°C ÷ 45°C (24x7 HDD or Intel® Core™ i7 processor) 5°C ÷ 45°C (Standard HDD)					
STORAGE TEMPERATURE	-10°C ÷ 60°C					
OPERATING/STORAGE RELATIVE HUMIDITY	20% ÷ 90% RH (non-condensing)					
APPROVALS	CE cULus Listed					

- The M.2 NVMe PCIe x4 SSDs show actual performance that differs from the manufacturer's claims, as they are driven via 2 lanes (socket M.2 PCIe x2). Data transfer rates are about half of the declared value (comparable to M.2 NVMe PCIe x2 SSDs).

GALLERIA IMMAGINI



QT3500-ALU



QT3500-TFM



HT3500-ALU



HT3500-TF



HT3500-TFX



HT3500-TFM