

User Manual

TWIST POS System



Copyrights

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Liability Disclaimer

In no event will the manufacturer be liable for direct, indirect, special, incidental, or consequential damages arising out of the use or inability to use the product or documentation, even if advised of the possibility of such damages.

Regulatory Information

FCC Notice



This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the Federal Communications Commission (FCC) Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If

this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Increase the separation between the equipment and the receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio or television technician for help.

NOTE: THE MANUFACTURER IS NOT RESPONSIBLE FOR ANY RADIO OR TV INTERFERENCE CAUSED BY UNAUTHORIZED MODIFICATIONS TO THIS DEVICE. SUCH MODIFICATIONS COULD VOID THE USER'S AUTHORITY TO OPERATE THE DEVICE.

CE Notice



This device complies with **EMC Directive 2004/108/EC** and **2006/95/EC "Low Voltage Directive"** issued by the Commission of the European Community.

UL Notice



This manual refers to UL certified products and conforms to UL 60950-1 & CAN/CSA C22.2 No. 60950-1-07 STANDARD FOR Information Technology Equipment - Safety - Part 1: General Requirements.

WEEE Notice



The **WEEE** mark applies only to countries within the European Union (EU) and Norway.

This appliance is labeled in accordance with **European Directive 2002/96/EC** concerning **waste electrical and electronic equipment (WEEE)**. The Directive determines the framework for the return and recycling of used appliances as applicable throughout the European Union. This label is applied to various products to indicate that the product is not to be thrown away, but rather reclaimed upon end of life per this Directive.

CAUTION :

Risk of Explosion if Battery is replaced by an incorrect Type.

Dispose of Used Batteries According to the instructions.

Safety

IMPORTANT SAFETY INSTRUCTIONS

To disconnect the machine from the electrical Power Supply, turn off the power switch and remove the power cable plug from the wall socket. The wall socket must be easily accessible and in close proximity to the machine.

Read these instructions carefully. Save these instructions for future reference.

Follow all warnings and instructions marked on the product.

Do not use this product near water.

Do not place this product on an unstable cart, stand, or table. The product may fall, causing serious damage to the product.

Slots and openings in the cabinet and the back or bottom are provided for ventilation; to ensure reliable operation of the product and to protect it from overheating. These openings must not be blocked or covered. The openings should never be blocked by placing the product on a bed, sofa, rug, or other similar surface. This product should never be placed near or over a radiator or heat register, or in a built-in installation unless proper ventilation is provided.

This product should be operated from the type of power indicated on the marking label. If you are not sure of the type of power available, consult your dealer or local power company.

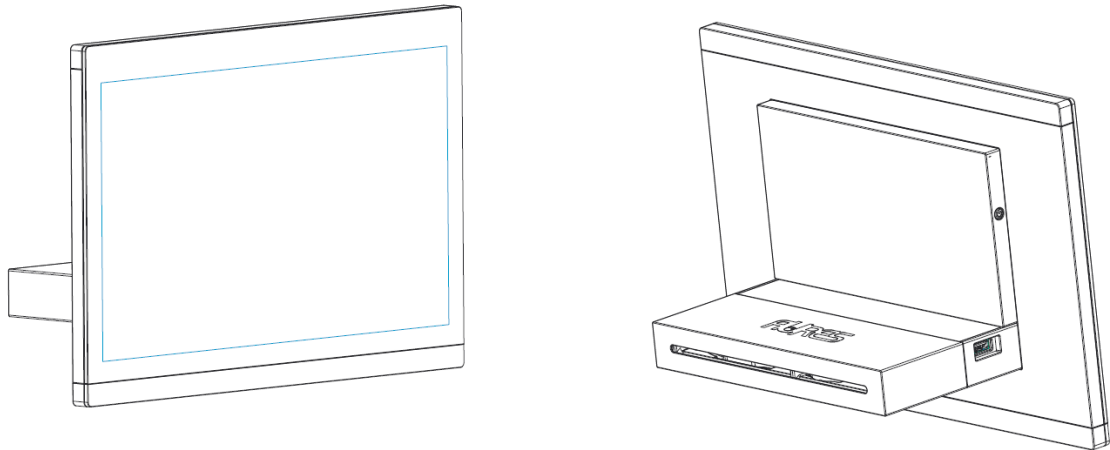
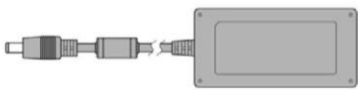



Do not allow anything to rest on the power cord. Do not locate this product where persons will walk on the cord. Never push objects of any kind into this product through cabinet slots as they may touch dangerous voltage points or short out parts that could result in a fire or electric shock. Never spill liquid of any kind on the product.

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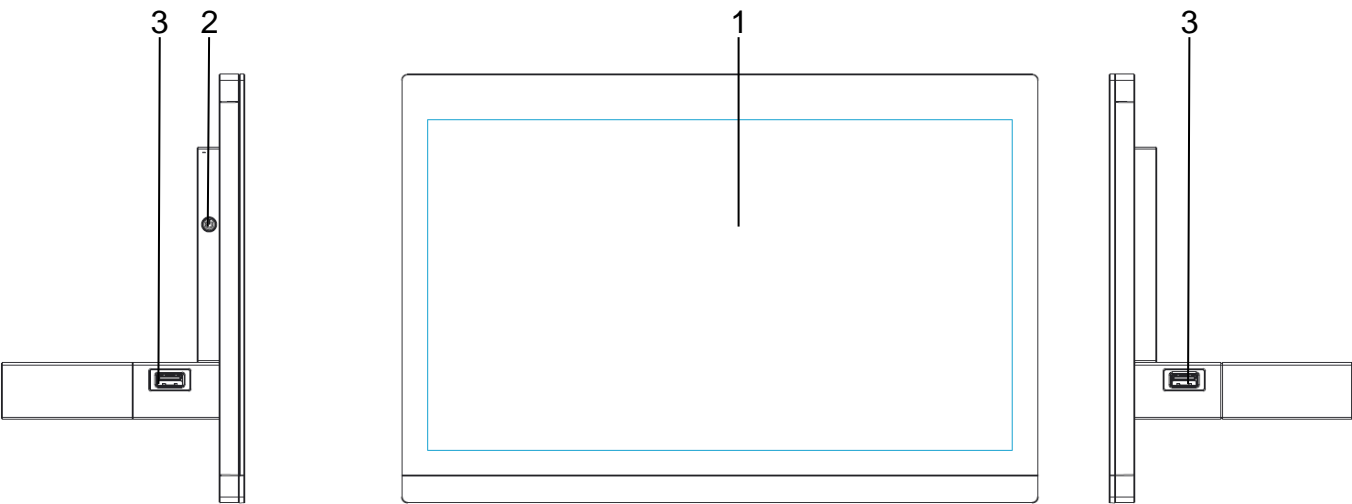
1. Item Checklist

1.1 Standard Items

	
a. System : TWIST	
	
b. Power Adapter (65W)	c. Power Cable
	
d. RJ45-DB9 Cable 70cm (x2)	e. Manual CD
<p>Sécurité INSTRUCTIONS IMPORTANTES RELATIVES À LA SÉCURITÉ</p> <ol style="list-style-type: none"> 1. Pour débrancher la machine de l'alimentation électrique, éteignez l'interrupteur d'alimentation et retirez le cordon d'alimentation de la prise murale. Cette prise murale doit être facilement accessible et à proximité de l'appareil. 2. Lisez attentivement ces instructions. Conservez ces instructions pour une référence future. 3. Suivez tous les avertissements et les instructions indiqués sur le produit. 4. Ne pas utiliser ce produit à proximité de l'eau. 5. Ne pas placer ce produit sur un chariot, un support ou une table. L'appareil pourrait tomber, causant de graves dommages à l'appareil. 6. Les fentes et les ouvertures dans le boîtier, l'arrière ou le fond sont prévues pour la ventilation afin d'assurer un fonctionnement fiable du produit et le protéger de la surchauffe. Ces ouvertures ne doivent pas être obstruées ou couvertes. Les ouvertures ne doivent jamais être bloquées en plaçant l'appareil sur un lit, un canapé, un tapis ou autre surface similaire. Ce produit ne doit jamais être placé à proximité ou sur un radiateur, sur un appareil chauffant de la chaleur ou dans une installation intégrée à moins qu'une ventilation adéquate soit prévue. 7. Cet appareil doit être utilisé uniquement avec une alimentation d'origine. 8. Ne laissez rien reposer sur le cordon d'alimentation. Ne placez pas ce produit là où des personnes peuvent marcher sur le cordon. 9. N'introduisez aucun objet à travers les fentes du coffret car ils pourraient entrer en contact avec des points sous tension ou provoquer un court-circuit. Ne renversez jamais de liquide sur le produit. <p>CE Cet appareil est conforme aux exigences de la directive européenne 2004/108/CE sur "la compatibilité électromagnétique" et à celles de la directive 2006/95/CE "Directive sur la basse tension".</p> <p>FC Cet appareil observe la partie 15 des règles de la FCC, c'est-à-dire qu'il ne cause aucun brouillage nuisible. (1) Cet appareil ne peut pas causer d'interférence nuisible. (2) Cet appareil doit accepter l'importante qu'elle interférence reçue, à moins qu'une interférence qui pourrait causer un dysfonctionnement non autorisé.</p>	<p>AURES</p> <p>FR Le Groupe AURES vous remercie de votre confiance.</p> <p>Téléchargez nos derniers drivers et utilitaires ainsi que nos conseils d'installation sur le site de Support Technique AURES : www.aures-support.fr</p> <p>UK The AURES Group thanks you for your loyalty.</p> <p>To download our most recent drivers and utilities - and obtain advice regarding the installation of your equipment, please visit the AURES Technical Support Website: www.aures-support.fr/UK</p> <p>DE Die AURES Gruppe bedankt sich für Ihre Bestellung.</p> <p>Um unsere neuesten Treiber, Utilities und Konfigurationsratschläge zu Ihren Produkten herunterzuladen besuchen Sie bitte unsere technische Support-Website: www.aures-support.fr/GE</p>
f. Safety Instructions Sheet	g. Website Address Sheet

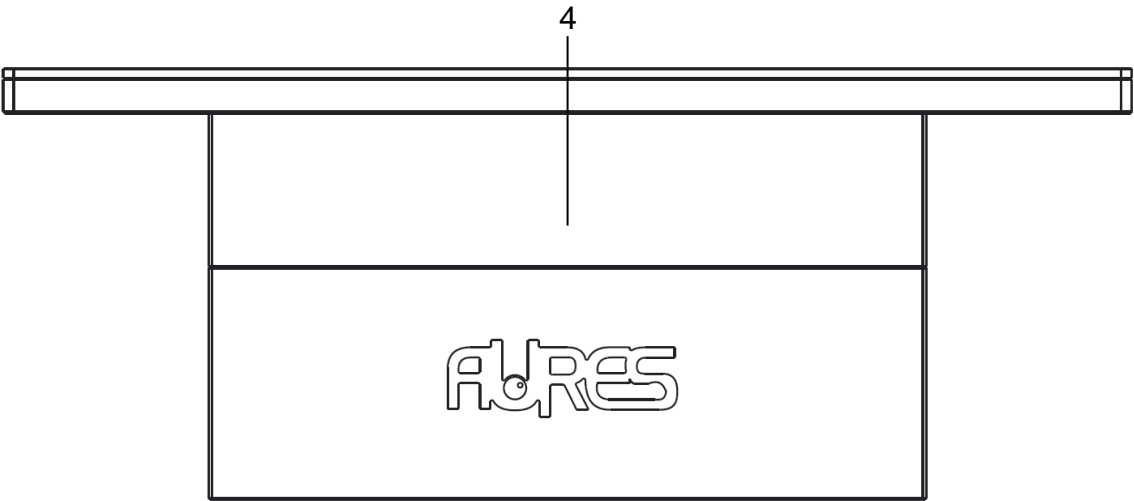
2. System View

2.1 Front and Side View



Number	Description
1	Bezel Free 2.8mm Touch Glass and 13.3" LCD Panel
2	Power Button
3	USB 3.0 (Type A)

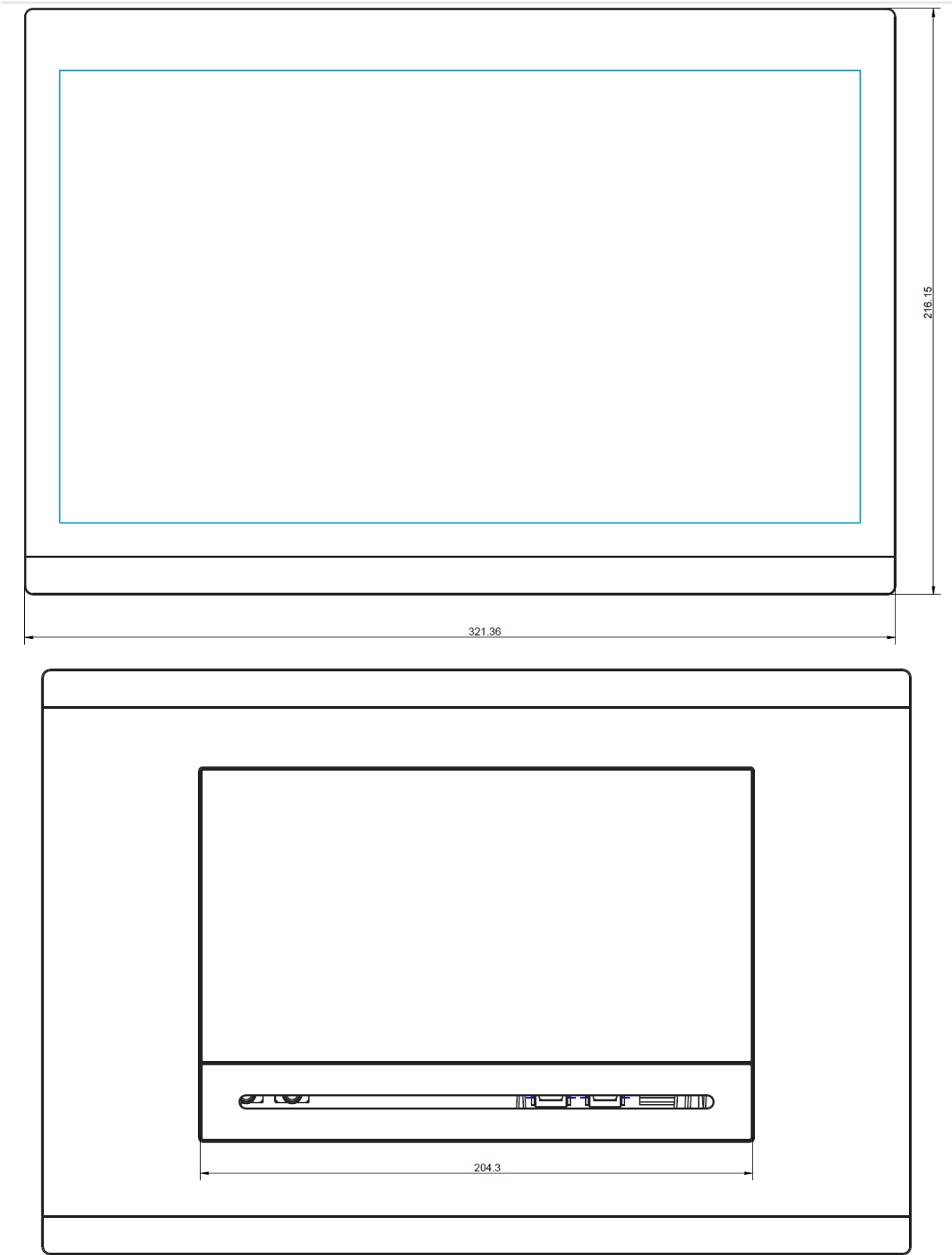
2.2 Top View

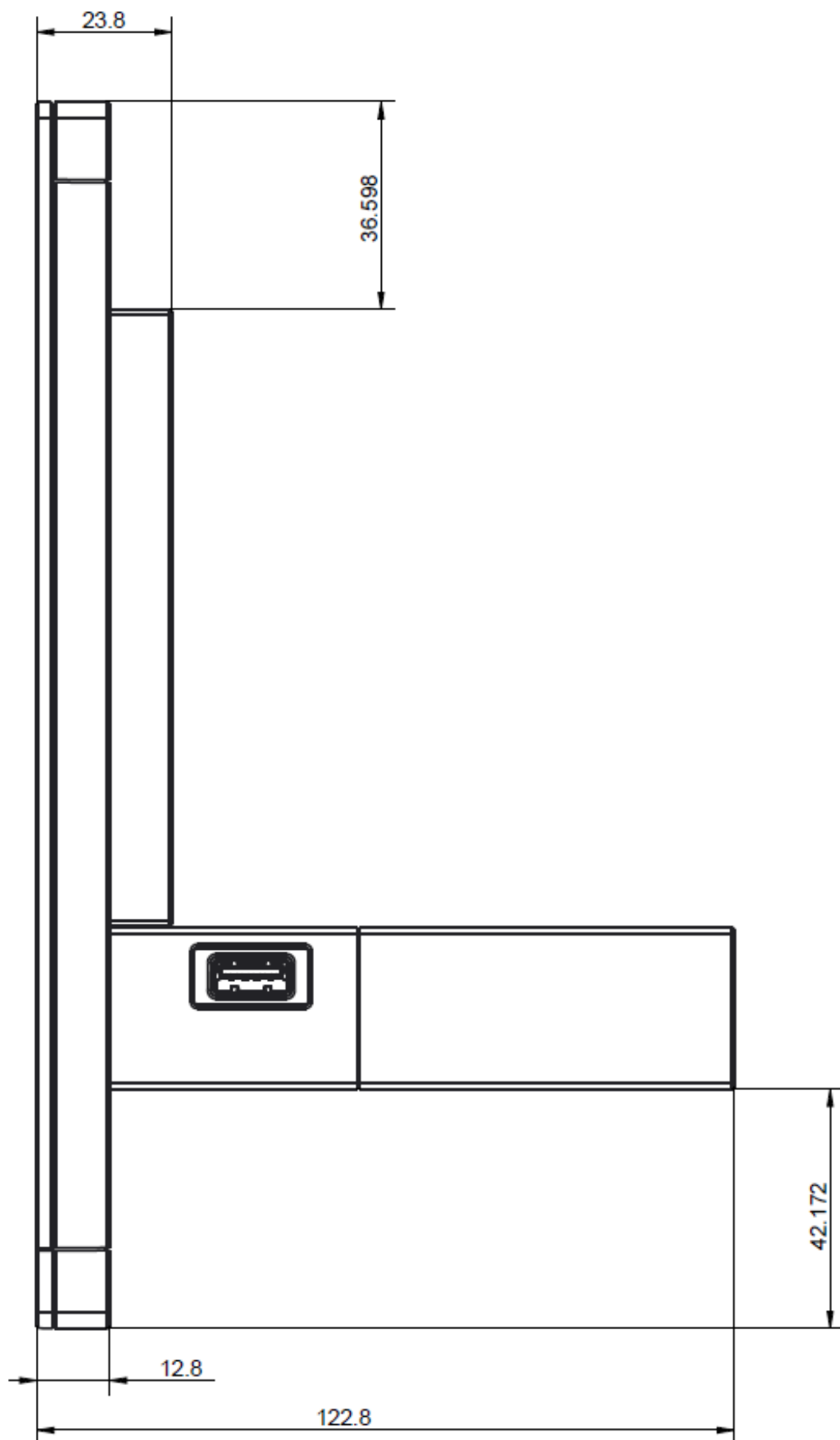


Number	Description
4	Plastic-Rubber Cable Cover

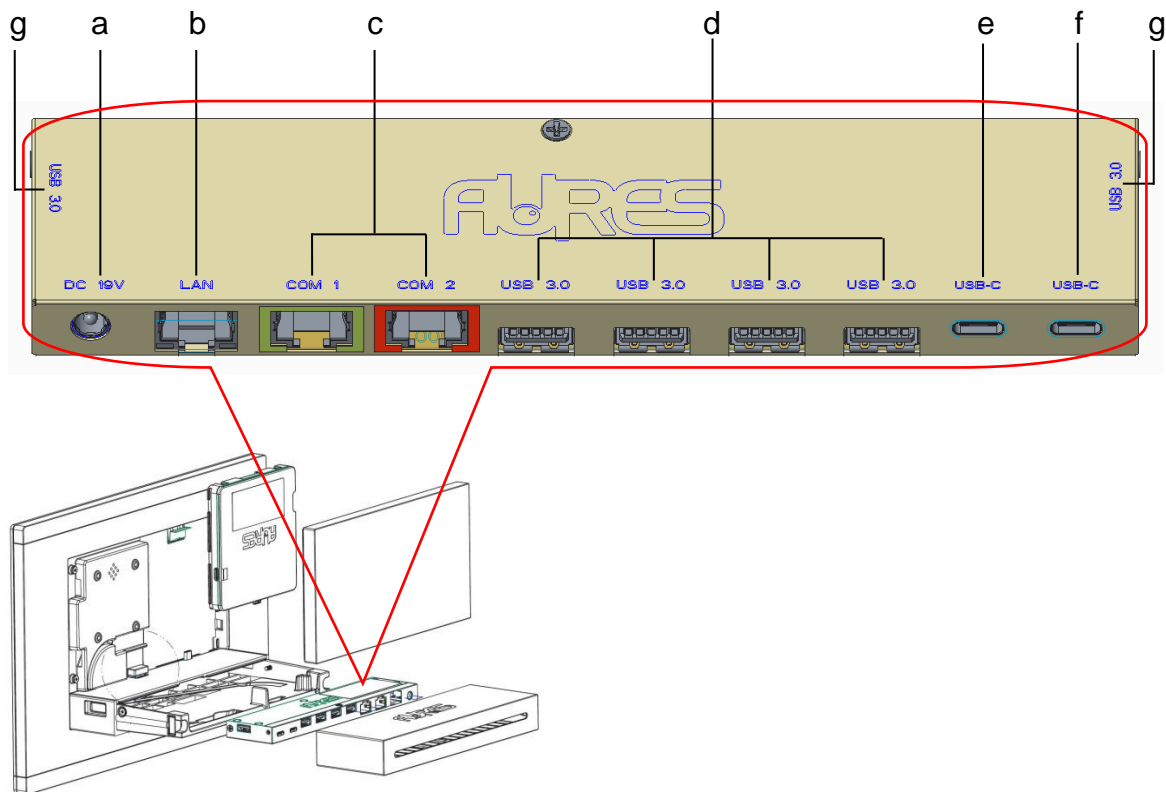
2.3 Dimension

(in mm)





2.4 I/O View



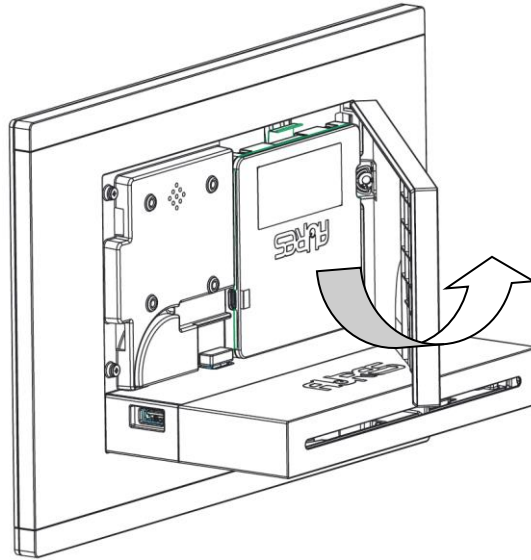
Front View	
Number	Description
a	DC-IN jack
b	LAN (RJ45 Connector)
c	COM1~2 (from right to left) (RJ50 Connector)
d	4 x USB 3.0 (Type A)
e	USB-C (only 2 channel DisplayPort, but supports FHD) with Video and Power in/out
f	USB-C (Power Deliver Out) to Processor Module

Left & Right-side View	
Number	Description
g	USB 3.0 (Type A)

3. POS System Assembly & Disassembly

3.1 Open the System Cover

Open the System Cover as depicted below.



3.2 Replace the Memory and/or Storage Disk Drive

TWIST POS System offers M.2 Solid State Drive (SSD).

*Please note that if you are replacing your SSD, you will need to reinstall your operating system after replacing it.

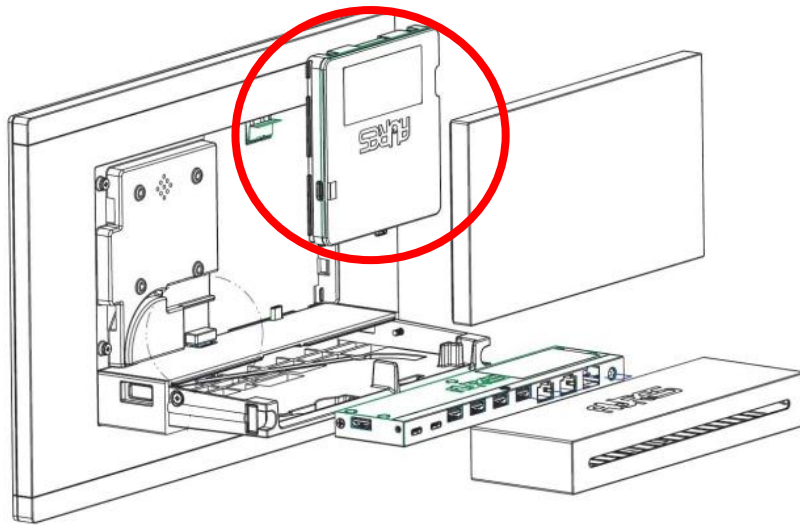
Make sure the unit is powered off before starting.

Please follow the below steps to finish the replacement :

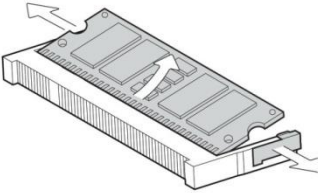
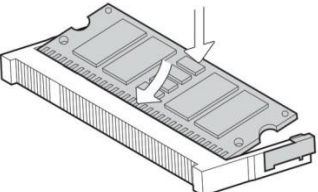
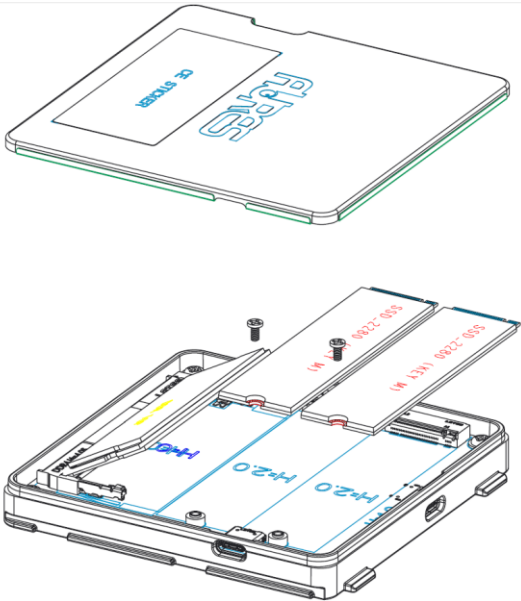
1. Remove the System Cover

To open the System Cover, please refer to the procedures described in Chapter 3-1 and remove it.

2. Detach the Processor Module

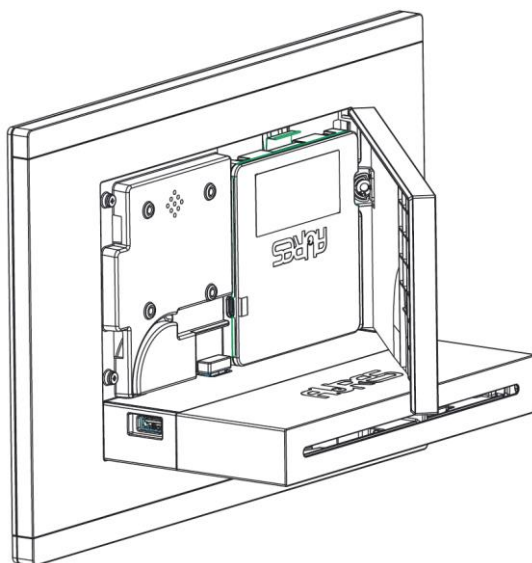


3. Replace the Memory and/or Storage Disk Drive

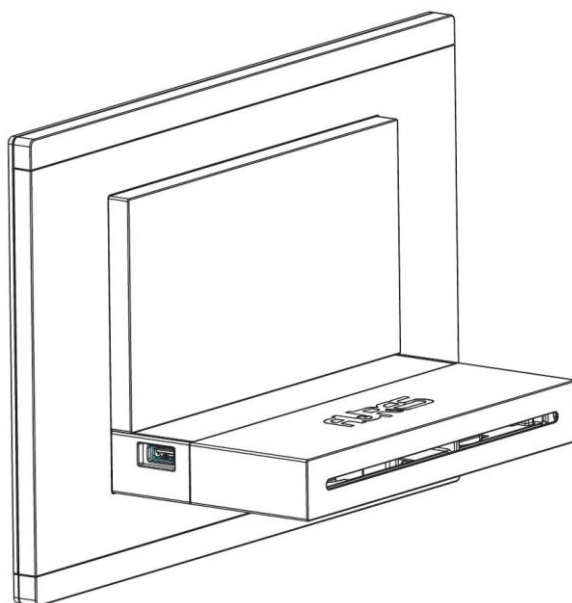
Replace the Memory		Replace the Storage Disk Drive
<p>(1) Locate the memory slot inside the Processor Module enclosure.</p> <p>(2) Flip the ejector clips outwards to remove the memory module from the memory slot.</p>  <p>(3) Slide the memory module into the memory slot and press down until the ejector clips snap in place.</p> 		<p>(1) Locate the storage slot inside the Processor Module enclosure.</p> <p>(2) Screw off the corresponding screw to remove the SSD from the storage slot.</p> <p>(3) Secure the screw after finishing replaced the storage disk drive.</p>

3. Close up the case of Processor Module

4. Install the Processor Module and System Cover into the unit



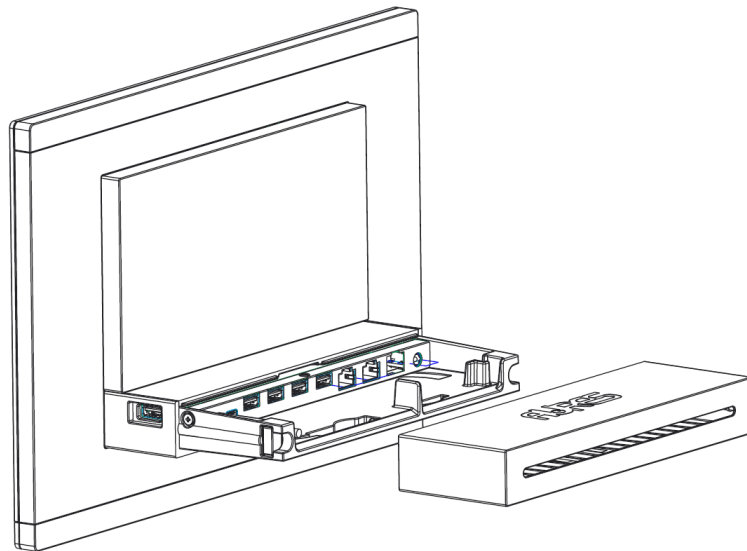
5. Connect the power supply and get ready to power on the system



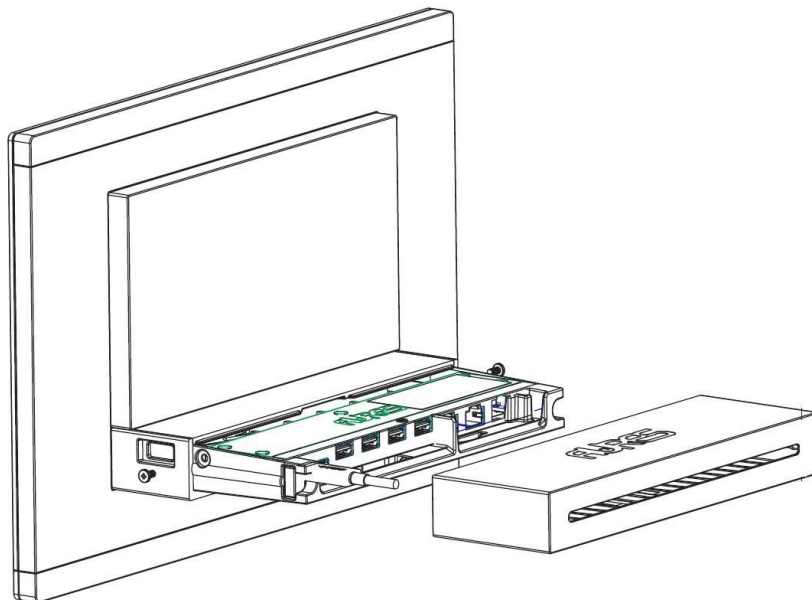
3.3 Install the Power Adapter

The system is equipped with a 65W power adapter. Please follow below procedures to get it plugged into the system.

1. Slide out the Cable Cover of the I/O Module.



2. Remove the two side-screws to release the I/O Module.



3. Locate the DC-IN Jack and connect the power cable properly.
4. Secure the I/O Module with the two side-screws and slide in the Cable Cover.

4. Specification

Model Name	TWIST		
Model Number	ART-04152 JAZZ/TWIST-MB-1900	ART-04153 JAZZ/TWIST-MB-I3-6100U	ART-04154 JAZZ/TWIST-MB-I5-7300U
CPU support	Intel® Bay Trail-M SoC Processor J1900 (2M Cache, up to 2.42 GHz)	Intel® Core™ i3-6100U Processor (3M Cache, 2.30 GHz)	Intel® Core™ i5-7300U Processor (3M Cache, up to 3.50 GHz)
System memory	1 x SO-DIMM DDR3L 4GB default (Max 8 GB)	1 x SO-DIMM DDR4 4GB default (Max 16 GB)	
Storage	M.2 (Key M) 2280 128GB SSD (default) *Support only single-sided component		
Audio	1 x 2W Speaker		
BIOS	Phoenix uEFI BIOS	AMI uEFI BIOS	
LCD Panel			
LCD size	13.3" FHD		
Brightness in cd/m²	300		
Maximal resolution	1920 x 1080		
Aspect Ratio	16:9		
Backlight Type	LED		
Touch Panel			
P-CAP Touch	2.8 mm Touch Glass		
Touch Screen	10		
Interface	USB		
I/O			
Power Button	1 x with power indicator (Green power on and Amber is standby)		
DC-IN jack	1 x radio jack connector for 19V DC input		
Serial / COM	2 x RJ50 connector with RJ50 to DB9 cable for RS-232 port powered COM with software select none (Default setting) / +5V at DB9 pin-1		
LAN	1 x RJ45 port for Gigabit Ethernet		
USB	6 x USB 3.0		
USB-C	2 x USB-C		

Power	
Power Adapter	External 19V / 3.42A 65Watt Adapter

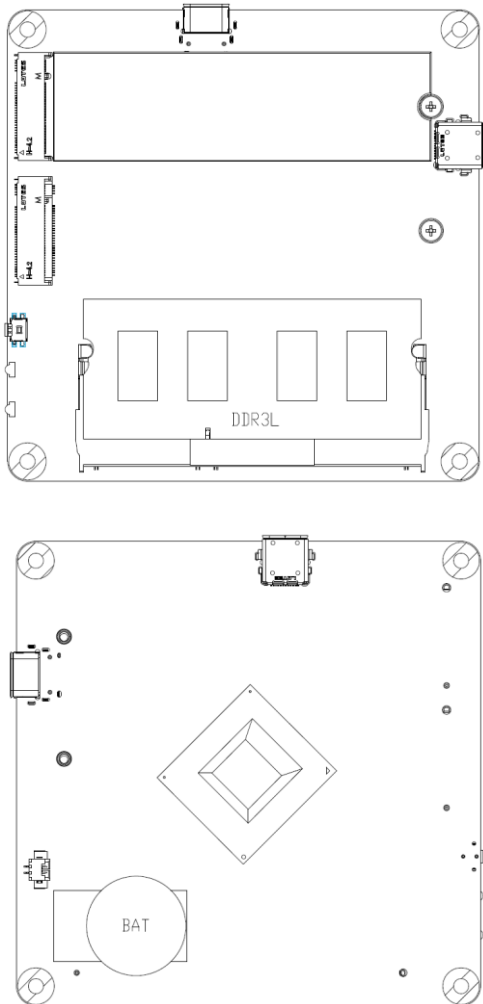
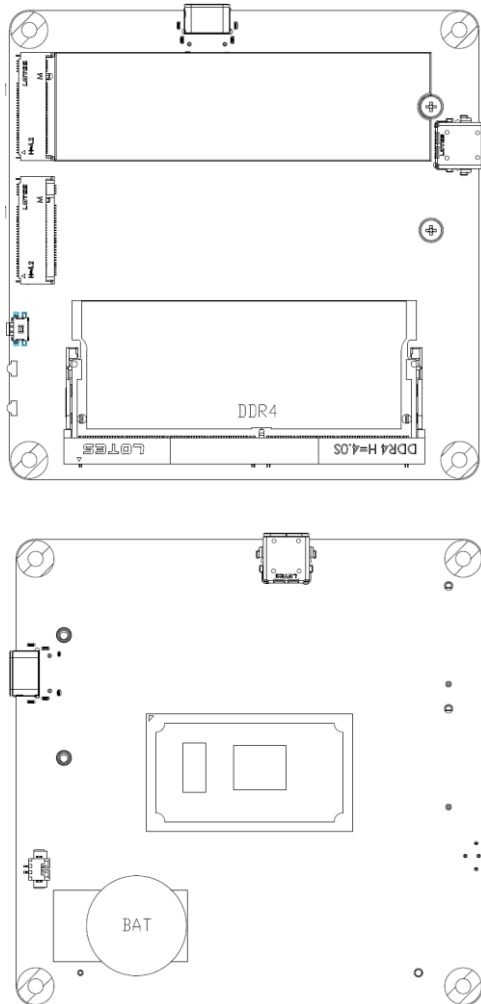
Certifications	
EMI	FCC Class B / CE / LVD / RCM
Safety	UL
Environment	
Operating temperature	0°C ~ 35°C (32°F ~ 95°F)
Storage temperature	-20°C ~ 60°C (-4°F ~ 140°F)
Humidity	5% ~ 80%, non-condensing
Dimension (W x D x H)	321.36 x 216.15 x 122.8 mm
Weight (N.W. / G.W.)	3 kg / 4 kg
OS support	Windows® 7 Professional for Embedded Systems, Windows® Embedded POSReady 7, Windows® Embedded 8.x Industry Retail Windows® 10 Industry

* This specification is subject to change without prior notice.

5. Configuration

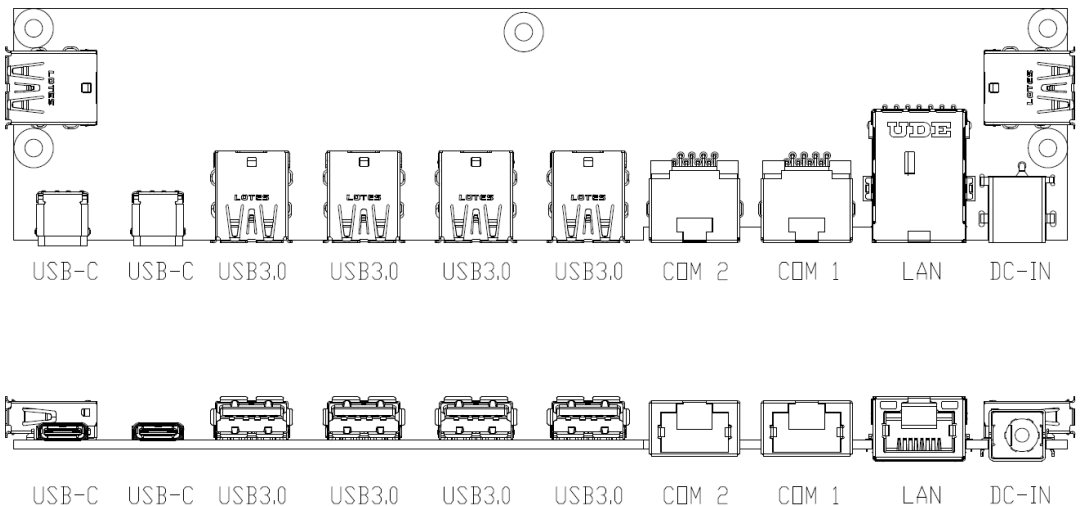
5.1 Processor Module

5.1.1 Layout, Connectors & Functions

				
SKU	ART-04152 JAZZ/TWIST-MB-1900		ART-04153 JAZZ/TWIST-MB-I3-6100U	ART-04154 JAZZ/TWIST-MB-I5-7300U
CPU	Intel® Bay Trail-M SoC Processor J1900 (2M Cache, up to 2.42 GHz)		Intel® Core™ i3-6100U Processor (3M Cache, 2.30 GHz)	Intel® Core™ i5-7300U Processor (3M Cache, up to 3.50 GHz)
DIMM1	SO-DIMM DDR3L x 1		SO-DIMM DDR4 x 1	
CN1_IN	USB-C Connector (Power Deliver In) to I/O Module (ART-04155, JAZZ/TWIST-I/O-MODULE)			
CN2_OUT	USB-C Connector (Power Deliver Out) to Display (ART-04157, TWIST-BASE-BLACK)			
CN3 & CN4	2 x M.2 Key-M 2280 Slot			

5.2 I/O Module

5.2.1 Layout, Connectors & Functions

	 <p>USB-C USB-C USB3.0 USB3.0 USB3.0 USB3.0 COM 2 COM 1 LAN DC-IN</p> <p>USB-C USB-C USB3.0 USB3.0 USB3.0 USB3.0 COM 2 COM 1 LAN DC-IN</p>
SKU	ART-04155 JAZZ/TWIST-I/O-MODULE
DC-IN1	DC-IN jack
LAN_CON1	LAN (RJ45 Connector)
COM1 & COM2	COM1~2 (from right to left) (RJ50 Connector)
USB1~6	4 x USB 3.0 (Type A)
CN1	USB-C (Power Deliver Out) to Processor Module
CN2	USB-C (only 2 channel DisplayPort, but supports FHD) with Video and Power in/out

Appendix A: Driver Installation

To download the most recent drivers and utilities, and obtain advice regarding the installation of your equipment, please visit the AURES Technical Support Website:

www.ares-support.fr(French)

www.ares-support.fr/UK(English)

www.ares-support.fr/GE(German)