



LSM.CONNECT DOCKING STATION TECHNOTE

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INTRODUCTION

The docking station is delivered with the tablet the LSM Connect application is installed on.

This technote provides an overview on the docking station, a description of the connectors, as well as the technical specifications of accessories that can be used with the docking station.

This docking station hosts an ASUS Transformer Pad TF300T on which the LSM Connect application is deployed. For more information on the LSM Connect application, refer to the [EVS website page dedicated to the LSM Connect](#).

UNPACKING

INTRODUCTION

Upon receipt of the equipment examine packing for obvious signs of damage. If damaged, do not unpack and inform the carrier immediately. Check thanks to the included packing list if all the items are present and if they show any mechanical damage. If yes, report damage or the missing parts to EVS or their appropriate representative.

CONTENT

The packing contains the following items:

- An ASUS tablet TF300
- A docking station
- An ASUS cable USB-Docking
- A PoE+ injector
- A power cable IEC to US (for the United States) / A power cable IEC to IEC (for all other countries)
- A two-meter Ethernet cable

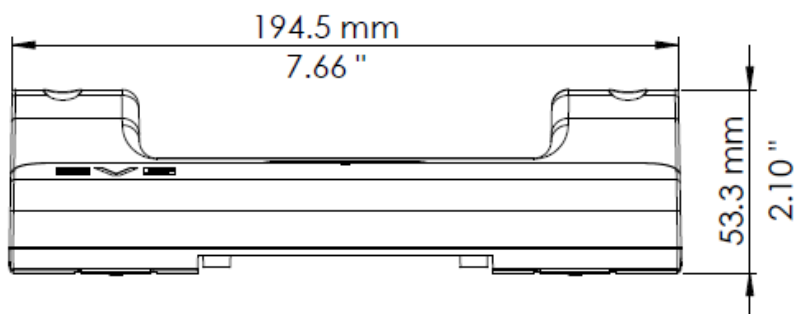
DOCKING STATION

WEIGHT

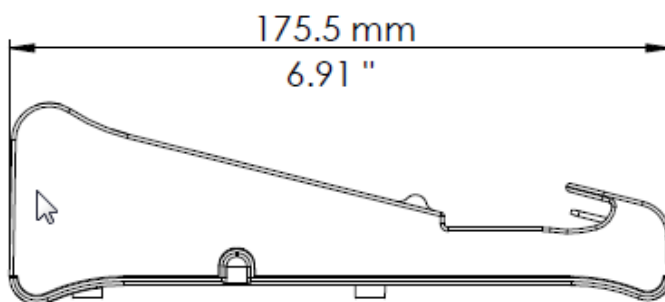
381 g / 13.44 oz

DIMENSIONS

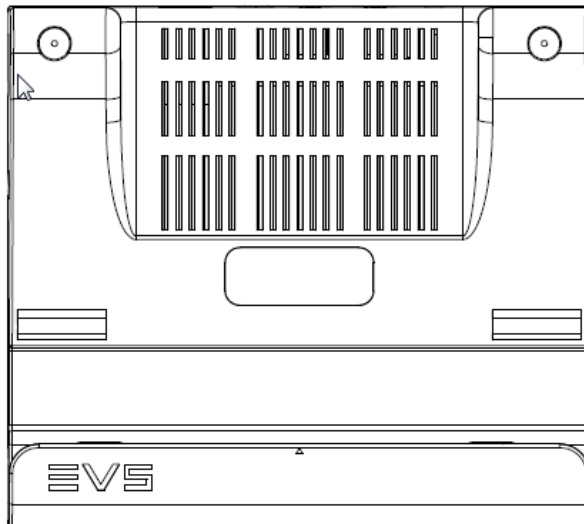
Front View



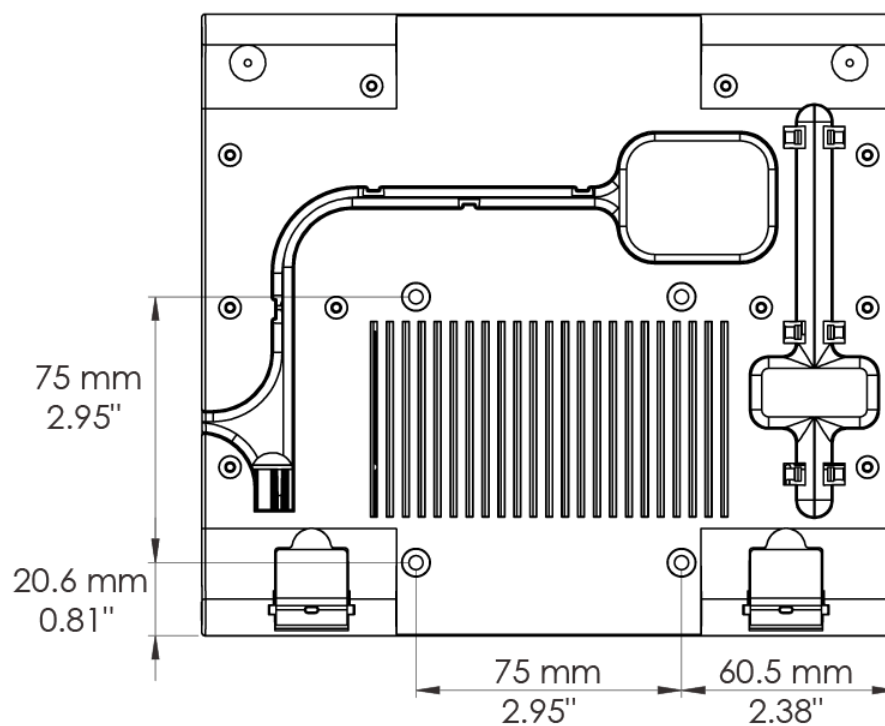
Left View



Top View



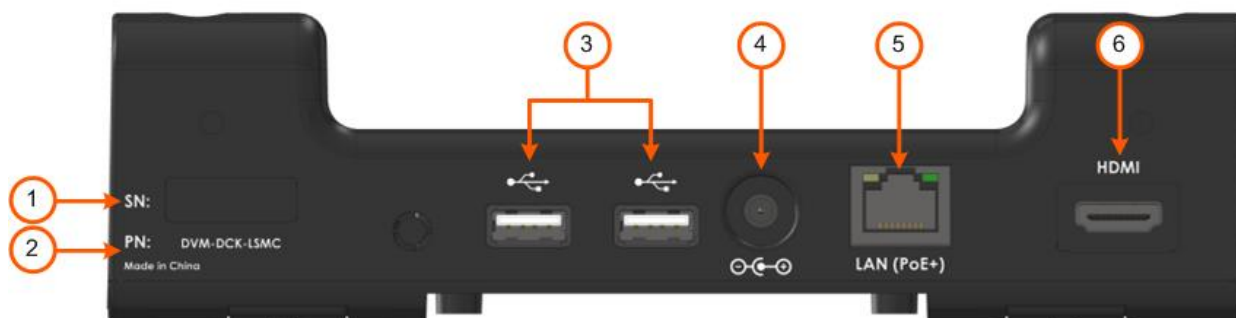
Rear View



CONNECTOR DESCRIPTION

The dock port of the tablet is connected to the ASUS dock port located in the center of the docking station on the upper side.

The following screenshot shows a back view of the tablet docking station and highlights the various connectors or items, described in the table below:



#	Description
1.	Serial Number (SN) of the docking station
2.	Product Number (PN) of the docking station
3.	USB ports
4.	Power port (XXX)
5.	Ethernet network port (RJ45)
6.	HDMI port. If you want to use the HDMI port to display the tablet screen on an external monitor, you need to connect the mini HDMI cable located on the back of the docking station to the tablet mini HDMI port.

CONNECTION WITH POE+ INJECTOR

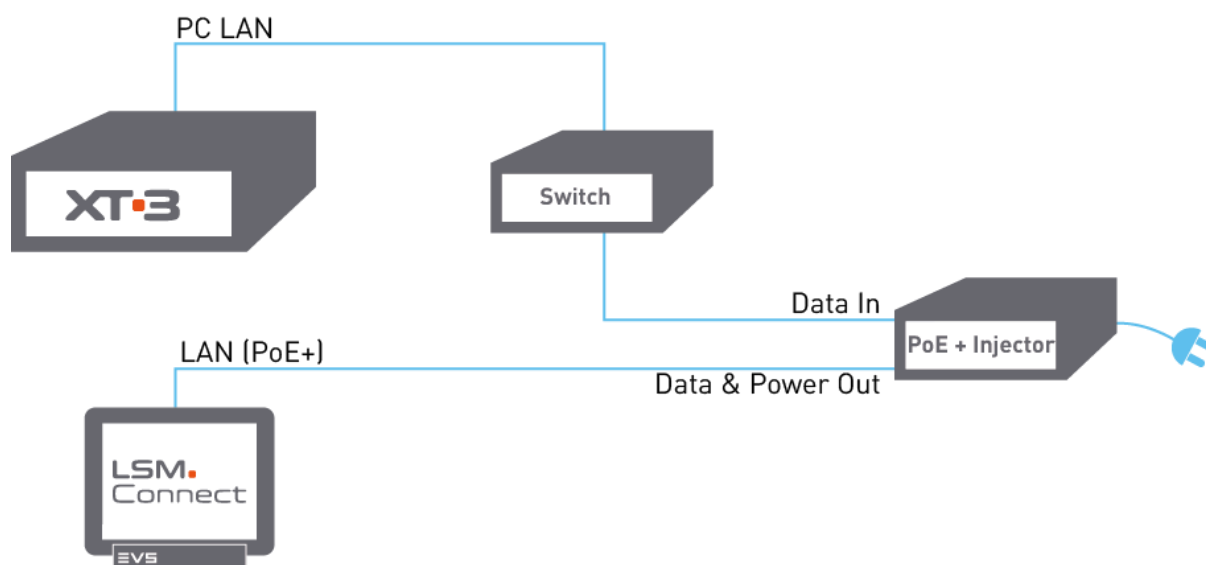
DESCRIPTION

The docking station is delivered with a Power Over Ethernet injector. The injector provides the power and the Ethernet connection to the docking station, as illustrated below:



Warning

The PoE+ injector shall not be used in case the customer setup is already equipped with a PoE+ switch. See section 'Connection with POE+ Switch', on page 8 for more information on this subject.



To connect the docking station using the injector, proceed as follows:

1. Connect the network cable between the PC LAN connector of the EVS server and the Ethernet IN connector (RJ45 connector) of the injector.
2. Connect the Ethernet+ Power OUT connector of the injector to the Ethernet port (#5) of the docking station.

INJECTOR SPECIFICATIONS

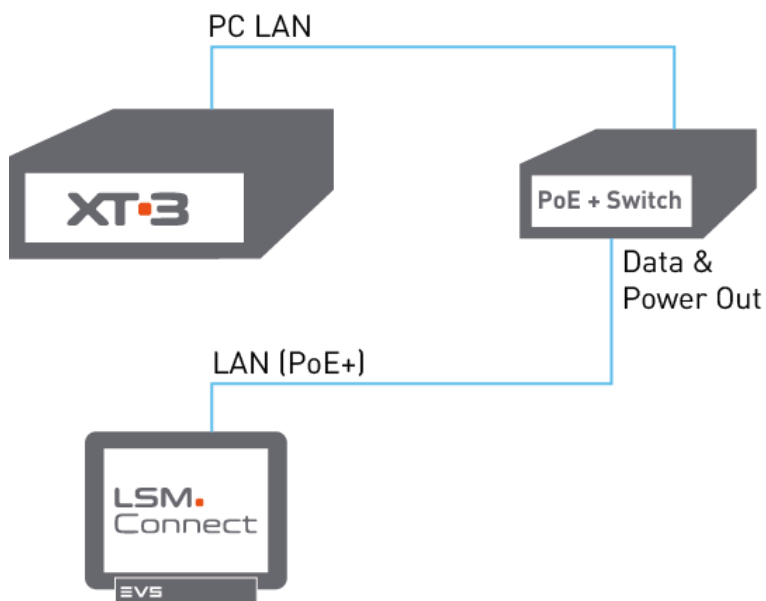
The injector has the following specifications:

- Compatible IEEE802.3at (PoE+)
- 48V

CONNECTION WITH POE+ SWITCH

DESCRIPTION

If you use a POE+ switch, the switch provides the power and the Ethernet connection to the docking station, as illustrated below. In this case, you will not use the POE+ injector.



CONNECTION WITH POWER SUPPLY

DESCRIPTION

If you do not use an injector, you will need an independent power supply having the specifications described below.

To connect the docking station in this case, proceed as follows:

1. Connect the power supply to the jack port at the back of the docking station (#4).
2. Connect the network cable to the Ethernet port at the back of the docking station (#5).

POWER SUPPLY SPECIFICATIONS

The power supply has the following specifications:

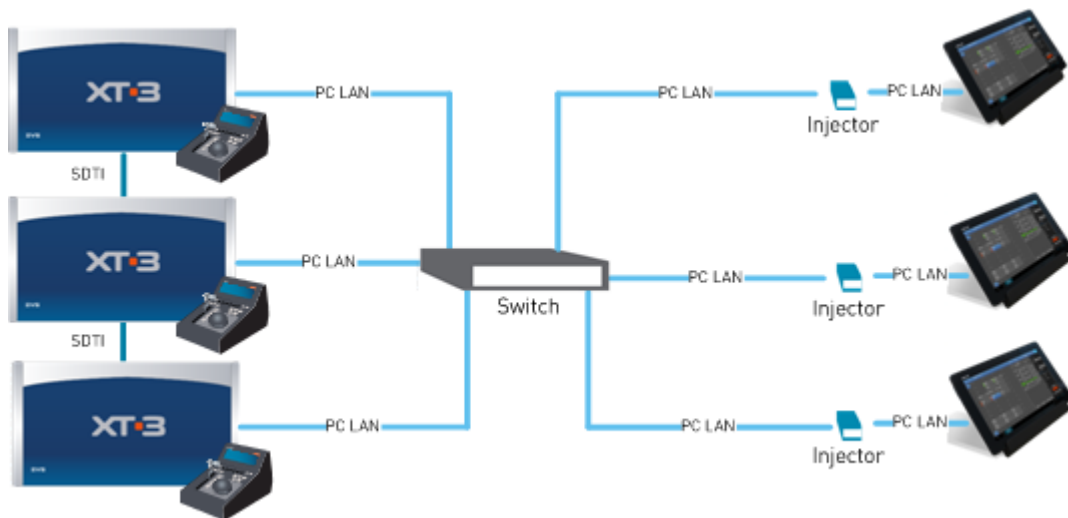
- Input: 240V-1.5A
- Output: 15V-2A
- The output connector is a 2.5mm jack.

NETWORK ARCHITECTURE

OVERVIEW

The following schema illustrates the connection between the EVS servers, the switch and the docking station the tablet is plugged into.

If the switch has vLANs or subnets configured, it is important to ensure that the LSM Connect is connected inside the same vLAN and subnet as the PC LAN.



NETWORK AND ROUTER CONFIGURATION REQUIREMENTS

If you experience failures when connecting the LSM Connect with the EVS server, please check that the following requirements are met:

The IGMP Snooping must be disabled.

LinX uses the following network ports

- 50000 LinX IpConnect (TCP)
- 50001 LinX Discover (Broadcast)
- 50002 LinX Events (Multicast)
- 50100 - 50107 LinX PhysicalChannels (UDP)