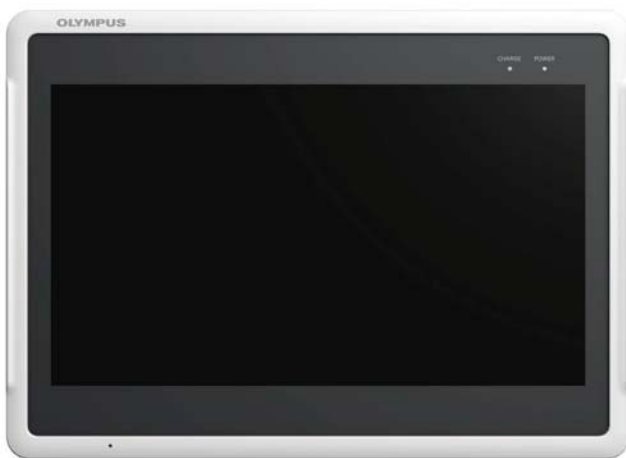


Bayer Salient 11.6"

Tablet

User's Manual



Preliminary

Manual Rev.: 0.1 preliminary

Revision Date: March 29, 2019

Part No: 50-xxxxx-1000

Revision History

Revision	Release Date	Description of Change(s)
0.1	29/03/2019	Preliminary release

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Preface

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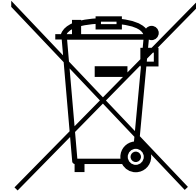
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Environmental Responsibility

ADLINK is committed to fulfill its social responsibility to global environmental preservation through compliance with the European Union's Restriction of Hazardous Substances (RoHS) directive and Waste Electrical and Electronic Equipment (WEEE) directive. Environmental protection is a top priority for ADLINK. We have enforced measures to ensure that our products, manufacturing processes, components, and raw materials have as little impact on the environment as possible. When products are at their end of life, our customers are encouraged to dispose of them in accordance with the product disposal and/or recovery programs prescribed by their nation or company.



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Trademarks

Product names mentioned herein are used for identification purposes only and may be trademarks and/or registered trademarks of their respective companies.

Conventions

Take note of the following conventions used throughout this manual to make sure that users perform certain tasks and instructions properly.



NOTE:

Additional information, aids, and tips that help users perform tasks.



CAUTION:

Information to prevent **minor** physical injury, component damage, data loss, and/or program corruption when trying to complete a task.



WARNING:

Information to prevent **serious** physical injury, component damage, data loss, and/or program corruption when trying to complete a specific task.

CE Warning Statement



This is a Class B product. In a domestic environment this product may cause radio interference in which case the user may be required to take adequate measures.

Federal Communication Commission Interference Statement

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the 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:

- ▶ Reorient or relocate the receiving antenna.
- ▶ Increase the separation between the equipment and 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/TV technician for help.

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Any changes or modifications not expressly approved by the grantee of this device could void the user's authority to operate the equipment.

This device and its antenna(s) must not be co-located or operating in conjunction with any other antenna or transmitter.

End-users and installers must be provided with antenna installation instructions and transmitter operating conditions for satisfying RF exposure compliance.

For product available in the USA/Canada market, only channel 1~11 can be operated. Selection of other channels is not possible.

FCC RF Radiation Exposure Statement

This equipment complies with FCC RF radiation exposure limits set forth for an uncontrolled environment for body-worn configuration in direct contact to the phantom.

This device complies with FCC radiation exposure limits set forth for an uncontrolled environment.

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1 Introduction

1.1 Overview

The Bayer Salient 11.6" Tablet is an EN 60950-1 certified control tablet with high performance computing and versatile features. The Salient features a Intel Atom® x5-E3940 system-on-chip, P-CAP multi-touch panel with 1366 x 768 resolution, 64GB of onboard storage, 2x USB 3.0, 1x HDMI 1.4 output, Wi-Fi and Bluetooth connectivity, and power status LED.

1.2 Features

- ▶ Intel Atom® x5-E3940 processor SoC, 1.8 GHz
- ▶ 11.6" P-CAP multi-touch panel with 1366 x 768 resolution
- ▶ 64GB onboard storage
- ▶ 2x USB 3.0, 1x HDMI 1.4 output
- ▶ WLAN: IEEE 802.11 b/g/n
- ▶ WPAN: Bluetooth 4.1
- ▶ Power status LED
- ▶ DC power input: 19V/3.43A (via AC adapter)

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1.3 Specifications

Display	
LCD Size	11.6" 16:9 color TFT-LCD
Max. Resolution	1366 x 768 262K colors
Luminance	250 cd/m ² (typical)
Viewing Angle	178° horizontal, 178° vertical (typical)
Touchscreen	
11.6" Touchscreen	P-CAP multi-touch panel
System	
CPU	Intel Atom® x5-E3940 Processor, 4 cores, 2M Cache, up to 1.80 GHz, 9.5W TDP
Memory	Onboard DRAM, 4GB DDR3L up to 1866 MT/s
Graphics	Intel® HD Graphics 500
Storage	M.2 64GB SSD
Power Supply	FSP065-RBBN3 AC-to-DC adapter Input: 100-240VAC, 1.5A, 50-60Hz Output: 19VDC, 3.43A
OS	Ubuntu (customer provided, TBD)
I/O Ports	
USB	2x USB 3.0 Type A (supports USB 2.0)
HDMI	1x Standard HDMI connector support HDMI 1.4 (3840x2160 @30Hz)
Speaker	1x speaker
Internal Antenna	2x internal antenna for Wi-Fi/Bluetooth
Buttons	1x power on/off
DC Input	1x DC jack for 19V/3.43A DC in
LEDs	1x LED for power status

Table 1-1: Bayer Salient Tablet Specifications

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Chassis	
Cooling	Passive thermal solution
DC Power Input Connector	Standard DC connector for 19V/3.43A
Dimensions	296(W) x 217(H) x 24.1(D) mm
Environmental/Certifications	
Operating Temperature	0°C to 35°C
Standards	EN 60950-1

Table 1-1: Bayer Salient Tablet Specifications

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1.4 Package Contents

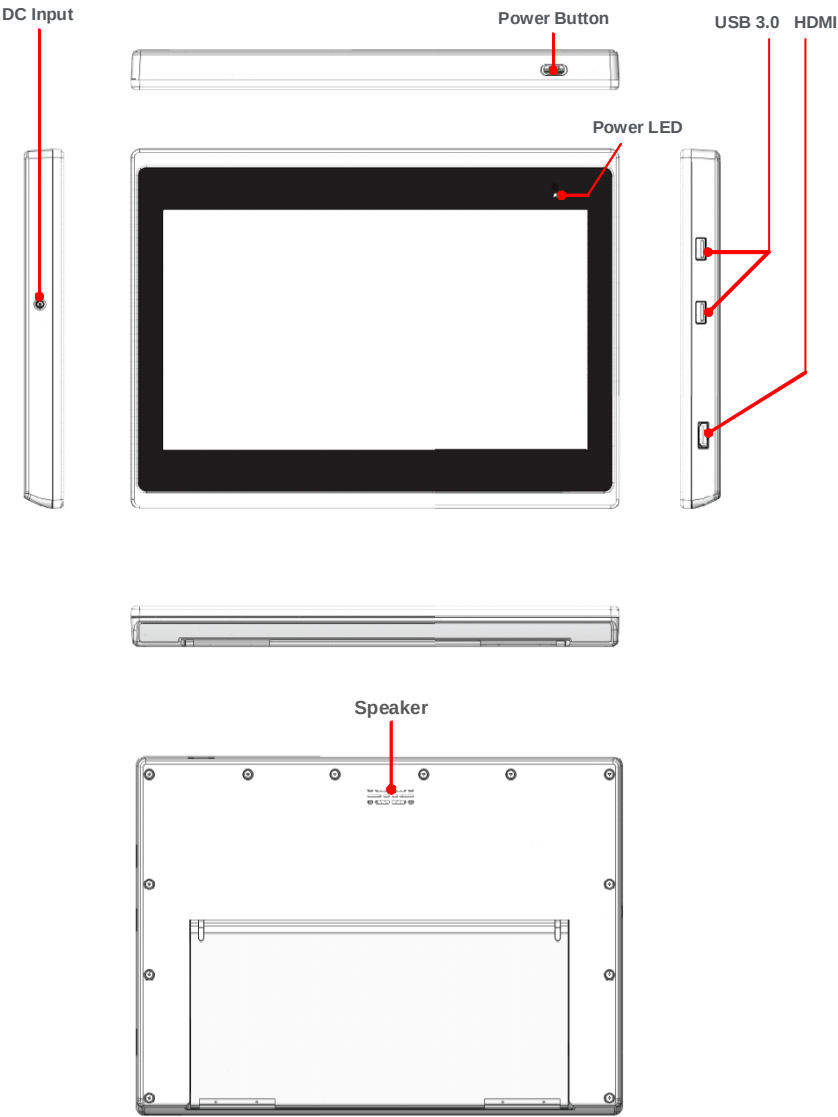
Please check that your package contains the items below. If you discover damaged or missing items, please contact your vendor.

- ▶ 1x Bayer Salient 11.6" Tablet
- ▶ 1x AC-DC power adapter
- ▶ 1x power cord



DO NOT install or apply power to equipment that is damaged or if there is missing/incomplete equipment. Retain the shipping carton and packing materials for inspection. Please contact your ADLINK dealer/vendor immediately for assistance. Obtain authorization from your dealer before returning any product to ADLINK.

1.5 Product Layout



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Figure 1-1: Bayer Salient Tablet Layout

Power Status LED

LED	Color	Status
Power	Green	System On
	Warm White	Standby
	Off	System Off

Table 1-2: Bayer Salient Power Status LED Description

2 Getting Started

2.1 Turning the Tablet On/Off

Turning On

Press and hold the power switch for 1 seconds until the green power status LED indicator turns on.

Turning Off

To perform a forced shut down, hold the power button down for 4 seconds.

Standby

To manually put the tablet into standby mode, briefly press the power button. The display will turn off and the power status LED will change to warm white after a few seconds.

To wake the tablet from Standby, tap the touchscreen or briefly press the power button.

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3 External Connections

The Bayer Salient has a USB 3.0 port, an HDMI display output on the right side of the tablet (see Figure 1-1: Bayer Salient Tablet Layout on page 5).

3.1 USB Port

To connect a USB device to the tablet, such as a flash drive or external storage, use the USB 3.0 port (Type A) on the upper right side of the tablet. To access the connector, use your fingernail to open the protective cover. Fully close the cover to maintain IP54 protection for the tablet.

3.2 HDMI Display Output

The HDMI (Type A) port is located on the lower right side of the tablet. To access the connector, use your fingernail to open the protective cover. Fully close the cover to maintain IP54 protection for the tablet.

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4 Care and Maintenance

- ▶ Avoid exposure to excessive moisture and extreme temperatures.
- ▶ Avoid exposure to direct sunlight or strong ultraviolet light for extended periods of time.
- ▶ Do not place anything on top of your tablet or drop objects on your tablet.
- ▶ Do not drop your tablet or subject it to severe shock.
- ▶ Do not subject your tablet to sudden and severe temperature changes. This may result in moisture condensation inside the unit and subsequent damage. In the event of moisture condensation, allow your tablet to dry out completely before powering it on.
- ▶ Avoid touching it with sharp objects to prevent scratches.
- ▶ Use a soft, lint-free cloth to clean the screen and the exterior of your device.
- ▶ Never attempt to disassemble, repair or make any modifications to your device. Disassembly, modification or any attempt at repair could cause damage to your device and even bodily injury or property damage and will void the warranty.
- ▶ Do not store or carry flammable liquids, gases or explosive materials in the same compartment as your device, its parts or accessories.

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Important Safety Instructions

For user safety, please read and follow all **instructions**, **WARNINGS**, **CAUTIONS**, and **NOTES** marked in this manual and on the associated equipment before handling/operating the equipment.

- ▶ Read these safety instructions carefully.
- ▶ Keep this user's manual for future reference.
- ▶ Read the specifications section of this manual for detailed information on the operating environment of this equipment.
- ▶ To avoid electrical shock and/or damage to equipment:
 - ▷ Keep equipment away from water or liquid sources;
 - ▷ Keep equipment away from high heat or high humidity;
- ▶ Never attempt to fix the equipment. Equipment should only be serviced by qualified personnel.
- ▶ Equipment must be serviced by authorized technicians when:
 - ▷ The power cord or plug is damaged;
 - ▷ Liquid has penetrated the equipment;
 - ▷ It has been exposed to high humidity/moisture;
 - ▷ It is not functioning or does not function according to the user's manual;
 - ▷ It has been dropped and/or damaged; and/or,
 - ▷ It has an obvious sign of breakage.
- ▶ Do not use a battery other than one approved for your device.



Risk of explosion if battery is replaced with one of an incorrect type. Dispose of used batteries appropriately.

- ▶ Do not use an AC adapter other than one approved for your device. Use of another type of AC adapter may result in malfunction and/or danger.
 - ▷ Do not use the AC adapter in a high moisture environment. Never touch the AC adapter when your hands or feet are wet.
 - ▷ Allow adequate ventilation around the AC adapter when using it to operate the device or charge the battery. Do not cover the AC adapter with paper or other objects that will reduce cooling. Do not use the AC adapter while it is inside a carrying case.
 - ▷ Connect the AC adapter to a proper power source. The voltage and grounding requirements are found on the product case and/or packaging.
 - ▷ Do not use the AC adapter if the cord becomes damaged.
 - ▷ Do not attempt to service the adapter. There are no user serviceable parts inside. Replace the unit if it is damaged or exposed to excess moisture.

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Caution: Changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the 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:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and 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/TV technician for help.

Exposure

Exposure Configuration	Product Specific 10-g SAR (Separation 0mm)
Highest Simultaneous Transmission SAR (W/kg)	0.614
Note: 1. The detail for simultaneous transmission consideration is described in chapter 10.3.	

Getting Service

Ask an Expert: <http://askanexpert.adlinktech.com>

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