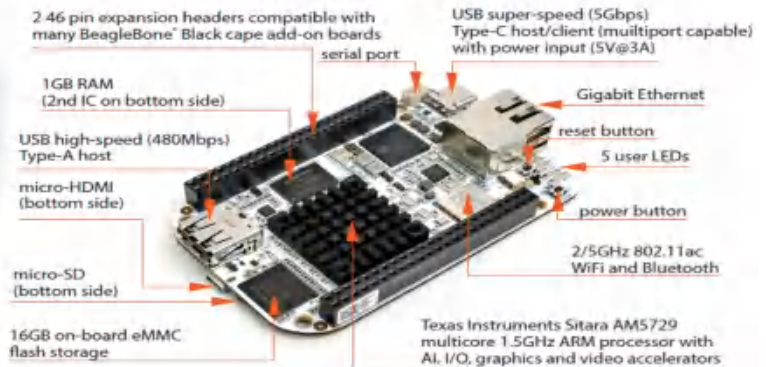


BeagleBone® AI

Quick start

- Latest instructions: beagleboard.org/getting-started
- Latest software: beagleboard.org/latest-images
- Latest product information: beagleboard.org/ai
- Support: beagleboard.org/support
- Repair issues: beagleboard.org/rma
- Newsletter: beagleboard.org/newsletter



Tethered to a PC

1. Connect a USB Type-C cable to BeagleBone® AI USB Type-C port.
2. Connect the other end of the USB cable to the PC USB Type-C port.
3. BeagleBone® AI will boot.
4. Look for a new mass storage drive to appear on the PC.
5. Open the driver and open SRART..HTM with your web browser.

Note: For the latest on line instructions troubleshooting tips and support visit beagleboard.org/getting-started. Usage of Chrome or Firefox web browsers is recommended.

Standalone with Keyboard and Mouse

1. Connect a combo keyboard and mouse to BeagleBone® AI's USB host port.
2. Connect an micro-HDMI cable to the board.
3. Connect the micro-HDMI-to-HDMI cable to an HDMI monitor.
4. Plug a USB Type-C power supply into BeagleBone® AI's USB Type-C port.
5. BeagleBone® AI will boot. No need to enter any passwords.
6. Desktop will appear on the monitor. Click the "Getting Started" icon.

Wireless Connection

1. Plug a USB Type-C power supply into BeagleBone® AI's USB Type-C port.
2. BeagleBone® AI will boot.
3. Connect your PC's WiFi to SSID "BeagleBone-XXXX" where XXXX varies for your BeagleBone® AI.
4. Use password "BeagleBone" to complete the WiFi connection.
5. Open <http://192.168.8.1> in your web browser.
6. Follow the instructions in the browser window.

Anbindung an einen PC

1. Schließen Sie das USB-Kabel an den BeagleBone® AI an.
2. Schließen Sie das andere Ende des USB-Kabels an den PC an.
3. Warten Sie, bis ein neues Massenspeichergerät auf START.HTM.
4. Klicken Sie auf das Massenspeichergerät und anschließend auf START.HTM.
5. Folgen Sie den Anweisungen auf Ihrem PC.

Benutzung nur mit Tastatur und Maus

1. Schließen Sie eine Tastatur und eine Maus an den USB-Hostanschluss an.
2. Schließen Sie ein microHDMI-Kabel an das Board an.
3. Schließen Sie das HDMI-Kabel an einen HDMI-Bildschirm an.
4. Schließen Sie eine DC-Stromversorgung mit 5 V 2 A an.
5. La placa se iniciará. No es necesario introducir ninguna contraseña.
6. El escritorio aparecerá en el monitor.

Wireless Connection

1. Plug in power supply.
2. From your PC, connect WiFi to SSID "BeagleBone-XXXX" where XXXX is board specific.
3. Use password "BeagleBone".
4. Point Chrome or Firefox browser to <http://192.168.8.1> (<http://beaglebone.local> will work on some computer operating systems and browsers) and follow instructions.

Hinweis: Alle aktuellen Online-Anleitungen finden Sie unter beagleboard.org/getting-started

Conectada a un ordenador

1. Conecte el cable USB a la BeagleBone® AI.
2. Conecte el otro extremo del cable USB al ordenador.
3. Busque un nuevo dispositivo de almacenamiento masivo en el ordenador.
4. Abra y haga clic en START.HTM.
5. Siga las instrucciones en el ordenador.

De forma independiente con teclado y ratón

1. Conecte un teclado y un ratón al puerto USB host.
2. Conecte un cable microHDMI a la placa.
3. Conecte el cable HDMI a un monitor HDMI.
4. Conecte una fuente de alimentación CC de 5 V 2 A.
5. La placa se iniciará. No es necesario introducir ninguna contraseña.
6. El escritorio aparecerá en el monitor.

Wireless Connection

1. Plug in power supply.
2. From your PC, connect WiFi to SSID "BeagleBone-XXXX" where XXXX is board specific.
3. Use password "BeagleBone".
4. Point Chrome or Firefox browser to <http://192.168.8.1> (<http://beaglebone.local> will work on some computer operating systems and browsers) and follow instructions.

Nota: Para ver las instrucciones más recientes online, visite beagleboard.org/getting-started

Collegamento a un PC

1. Collegare il cavo USB a BeagleBone® AI.
2. Collegare l'altra estremità del cavo USB al PC.
3. Un dispositivo di memorizzazione di massa verrà visualizzato sul PC.
4. Aprire il dispositivo e fare clic su START.HTM.
5. Seguire le istruzioni sul PC.

Standalone con tastiera e mouse

1. Collegare una tastiera e un mouse alla porta host USB.
2. Collegare un cavo microHDMI alla scheda.
3. Collegare il cavo HDMI a un monitor HDMI.
4. Inserire un alimentatore CC da 5 V 2 A.
5. La scheda si avvierà. Non è necessario immettere alcuna password.
6. Il desktop verrà visualizzato sul monitor.

Wireless Connection

1. Plug in power supply.
2. From your PC, connect WiFi to SSID "BeagleBone-XXXX" where XXXX is board specific.
3. Use password "BeagleBone".
4. Point Chrome or Firefox browser to <http://192.168.8.1> (<http://beaglebone.local> will work on some computer operating systems and browsers) and follow instructions.

Nota: Per le ultime istruzioni online, visitare beagleboard.org/getting-started

Dependente de um PC

1. Ligue um cabo USB ao BeagleBone® AI.
2. Ligue a outra extremidade do cabo USB ao PC.
3. Aguarde que surja uma nova unidade de armazenamento em massa no PC.
4. Abra a unidade e clique no ícone START.HTM
5. Siga as instruções apresentadas no PC.

Autônomo com teclado e rato

1. Ligue um teclado e um rato à porta de anfitrião USB.
2. Ligue um cabo HDMI à placa.
3. Ligue um cabo HDMI a um monitor com entrada HDMI.
4. Ligue a fonte de alimentação CC de 5 V e 2 A.
5. A placa irá arrancar. Não é necessário introduzir palavras-passe.
6. O ambiente de trabalho será apresentado no monitor.

NOTA

1. Plug in power supply.
2. From your PC, connect WiFi to SSID "BeagleBone-XXXX" where XXXX is board specific.
3. Use password "BeagleBone".
4. Point Chrome or Firefox browser to <http://192.168.8.1> (<http://beaglebone.local> will work on some computer operating systems and browsers) and follow instructions.

Nota: Para obter as instruções mais recentes online, visite beagleboard.org/getting-started

SAFETY INSTRUCTIONS

EN

IMPORTANT: PLEASE RETAIN THIS INFORMATION FOR FUTURE REFERENCE
WARNINGS

- This product should be operated in a well ventilated environment and, if used inside a case, the case should not be covered.
- This product should be placed on a stable, flat non-conductive surface and should not be contacted by conductive items.
- The connection of incompatible devices to the GPIO connector may affect compliance or result in damage to the unit and invalidate the warranty.
- All peripherals used with the BeagleBone* AI should comply with relevant standards for the country of use and be marked accordingly to ensure that safety and performance requirements are met. These articles include but are not limited to keyboards, monitors, and mice used in conjunction with the BeagleBone* AI.
- Where peripherals are connected that do not include the cable or connector, the cable or connector used must offer adequate insulation and operation in order that the requirements of the relevant performance and safety requirements are met.

INSTRUCTIONS FOR SAFE USE

To avoid malfunction or damage to your BeagleBone* AI, please observe the following:

- Do not expose it to water, moisture or place on a conductive surface whilst in operation.
- Do not expose it to heat from any source; the BeagleBone* AI is designed for reliable operational normal ambient room temperatures.
- Take care whilst handling to avoid mechanical or electrical damage to the printed circuit board and connectors.
- Avoid handling the printed circuit board while it is powered. Only handle by the edges to minimise the risk of electrostatic discharge damage.

GUIDA ALLA SICUREZZA

IT

IMPORTANTE: CONSERVARE LE PRESENTI INFORMAZIONI PER FUTURE CONSULTAZIONI
AVVERTENZE

- This product should be operated in a well ventilated environment and, if used inside a case, the case should not be covered.
- This product should be placed on a stable, flat non-conductive surface and should not be contacted by conductive items.
- The connection of incompatible devices to the GPIO connector may affect compliance or result in damage to the unit and invalidate the warranty.
- All peripherals used with the BeagleBone* AI should comply with relevant standards for the country of use and be marked accordingly to ensure that safety and performance requirements are met. These articles include but are not limited to keyboards, monitors, and mice used in conjunction with the BeagleBone* AI.
- Where peripherals are connected that do not include the cable or connector, the cable or connector used must offer adequate insulation and operation in order that the requirements of the relevant performance and safety requirements are met.

ISTRUZIONI PER UN UTILIZZO SICURO

Per evitare malfunzionamenti o danni al BeagleBone* AI, osservare quanto segue:

- Non esporlo ad acqua, umidità né posizionarlo su una superficie conduttiva quando in funzione.
- Non esporlo a una qualsiasi fonte di calore; BeagleBone* AI è progettato per garantire un funzionamento a affidabile temperatura ambiente normale.
- Fare attenzione nel maneggiare il prodotto per evitare danni meccanici o elettrici alla scheda del circuito stampato e ai connettori.
- Evitare di toccare la scheda del circuito stampato quando è alimentata, toccare solo i bordi per minimizzare i rischi di danni da scariche elettrostatiche.

This device contains the Azure Wave module certified under Model: Azure Wave

Please note that changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment. 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. Note: This equipment has been tested and found to comply with the limits for residential installation. This equipment

SAFETY INSTRUCTIONS

DE

WICHTIG: BITTE BEWAHREN SIE DIESE INFORMATIONEN FÜR DEN ZUKÜNFTIGEN GEBRAUCH AUF
WARNUNGEN UND HINWEISE

- Das Produkt muss immer in einer gut belüfteten Umgebung verwendet werden, und das Gehäuse darf dabei nicht abgedeckt werden.
- Das Produkt sollte beim Gebrauch auf einer stabilen, ebenen und nicht leitenden Oberfläche platziert werden und dabei keine leitenden Teile berühren.
- Das Anschließen nicht kompatibler Geräte an den GPIO-Port kann die Compliance beeinträchtigen und zu Schäden am Gerät sowie zum Verfall der Garantie führen. Alle mit dem BeagleBone* AI verwendeten Peripheriegeräten müssen den betreffenden Standards des Nutzungslandes entsprechen und dementsprechend gekennzeichnet sein, um alle Anforderungen in Bezug auf Sicherheit und Leistung zu erfüllen.
- Zu diesen Geräten gehören unter anderem Tastaturen, Bildschirme und Zeigegeräte, die zusammen mit dem BeagleBone* AI verwendet werden.
- Wenn Peripheriegeräte verwendet werden, die kein eigenes Kabel oder keinen Steckverbinder haben, müssen das verwendete Kabel bzw. der verwendete Steckverbinder ausreichend isoliert sein, um die Anforderungen in Bezug auf Sicherheit und Leistung zu erfüllen.

RICHTLINIEN FÜR DEN SICHEREN GEBRAUCH

Bitte halten Sie sich an die folgenden Anweisungen, um Fehlfunktionen oder Schäden an Ihrem BeagleBone* AI zu vermeiden:

- Setzen Sie das Gerät nie Wasser oder Feuchtigkeit aus und setzen Sie es nicht auf einer leitenden Oberfläche ab, während es in Betrieb ist.
- Setzen Sie das Gerät nie externen Wärmequellen aus; Das BeagleBone* AI ist für den zuverlässigen Betrieb bei normaler Raumtemperatur konzipiert.
- Seien Sie bei der Arbeit mit dem Gerät und dessen Handhabung vorsichtig, um mechanische oder elektrische Schäden an der Leiterplatte und an den Anschlüssen zu vermeiden.
- Vermeiden Sie jegliche Berührung der Leiterplatte, während diese in Betrieb ist. Fassen Sie die Leiterplatte immer am Rand an, um die Gefahr von Schäden aufgrund einer elektrostatischen Entladung zu minimieren.

MANUAL DE SEGURANÇA

PT

IMPORTANTE: GUARDE ESTA INFORMAÇÃO PARA CONSULTA FUTURA
AVISOS

- Este produto deve ser utilizado num ambiente bem ventilado e, se utilizado no interior de uma caixa, a caixa não deve estar coberta.
- Este produto deve estar colocado numa superfície estável, plana e não condutora e não deve entrar em contacto com itens condutores.
- A ligação de dispositivos incompatíveis ao conector GPIO pode afectar a conformidade ou provocar danos na unidade e invalidar a garantia.
- Todos os periféricos utilizados com o BeagleBone* AI devem estar em conformidade com as normas aplicáveis no país em que forem utilizados e devem ter a marcação adequada para garantir que os requisitos de desempenho e segurança são cumpridos. Estes artigos incluem, entre outros, teclados, monitores e ratos utilizados em conjunto com o BeagleBone* AI.
- Quando os periféricos não incluem cabo ou ficha o cabo ou ficha utilizado deve proporcionar isolamento e funcionamento adequados para que os requisitos de desempenho e segurança relevantes sejam cumpridos.

INSTRUÇÕES PARA UMA UTILIZAÇÃO SEGURA

Para evitar avarias ou danos no BeagleBone* AI, observe o seguinte:

- Não o exponha à água ou humidade, nem o coloque sobre uma superfície condutora durante o funcionamento.
- Não o exponha a qualquer fonte de calor; o BeagleBone* AI foi concebido para um funcionamento fiável a uma temperatura ambiente normal.
- Tenha cuidado ao manuseá-lo para evitar danos mecânicos ou eléctricos na placa de circuito impresso e nos conectores.
- Evite manusear a placa de circuito impresso durante o seu funcionamento. Segure-o apenas pelas extremidades para minimizar o risco de danos por descarga electrostática.

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.

PN: BBONE-AI-16G CAN ICES-3 (B)/NMB-3(B)

GUIDE DE SÉCURITÉ

FR

IMPORTANT: VEUILLEZ CONSERVER CE DOCUMENT POUR POUVOIR LE CONSULTER ULTÉRIEUREMENT
AVERTISSEMENTS

- Le produit doit être installé dans un espace bien ventilé et, s'il est intégré à un boîtier, celui-ci ne doit pas être couvert.
- Ce produit doit être installé sur une surface plane et non conductrice et ne doit pas entrer en contact avec des éléments conducteurs.
- La connexion de périphériques incompatibles avec le connecteur GPIO peut avoir une incidence négative sur la conformité et annuler la garantie.
- Tous les périphériques utilisés avec le BeagleBone* AI doivent être conformes aux normes applicables dans le pays où ils sont utilisés et porter les mentions appropriées afin de garantir le respect des exigences de sécurité et de performances. Parmi ces périphériques figurent (sans s'y limiter) les claviers, les moniteurs et les souris utilisés conjointement avec le BeagleBone* AI.
- Lorsque des périphériques sont connectés et qu'ils ne sont pas équipés de câble ni de connecteur, le câble ou le connecteur utilisé doit offrir un fonctionnement et une isolation appropriés afin de garantir le respect des exigences de sécurité et de performances.

INSTRUCTIONS POUR UNE UTILISATION SÉCURISÉE

Afin d'éviter tout mauvais fonctionnement ou dommage, il est recommandé de respecter les consignes suivantes:

- N'exposez pas le produit à l'eau ni à de l'humidité et ne le placez pas sur une surface conductrice alors qu'il est sous tension. N'exposez pas le produit à une source de chaleur, de quelque nature que ce soit; le BeagleBone* AI est conçu pour fonctionner de manière fiable à une température ambiante normale.
- Manipulez le produit avec précaution afin d'éviter tout dommage mécanique ou électrique du circuit imprimé et des connecteurs.
- Évitez de manipuler le circuit imprimé lorsqu'il est sous tension. Ne touchez que les bords du produit afin de réduire le risque de dommage dû à une décharge électrostatique.

MANUAL DE SEGURIDAD

ES

IMPORTANTE: POR FAVOR, GUARDE ESTA INFORMACIÓN PARA REFERENCIA FUTURA
ADVERTENCIAS

- Este producto debe ser operado en un entorno con buena ventilación y si se va a utilizar en una caja, esta no deberá estar cubierta.
- Este producto debe ser operado en una superficie estable, plana y no conductiva, y no deberá estar en contacto con componentes conductivos.
- La conexión de dispositivos incompatibles con el conector GPIO puede afectar la conformidad o causar daños a la unidad e invalidar la garantía.
- Todos los periféricos utilizados con BeagleBone* AI deben cumplir los estándares relevantes en el país de uso y operado en un entorno con buena ventilación y si se va a utilizar en una caja, esta no deberá estar cubierta.
- Estos productos incluyen, aunque no se limitan a, teclados, monitores y ratones utilizados en conjunto con BeagleBone* AI.
- Si se conectan periféricos que no incluyen cables o conectores, los cables o conectores deben ofrecer el aislamiento y el funcionamiento adecuados con el fin de que los requisitos de rendimiento y seguridad relevantes se cumplan.

INSTRUCCIONES PARA UN USO SEGURO

Para evitar malfunzionamenti o danni al BeagleBone* AI, si seguita le seguenti raccomandazioni:

- No lo exponga al agua ni a la humedad ni lo coloque en una superficie conductora mientras está en funcionamiento.
- No lo exponga a ninguna fuente de calor; el BeagleBone* AI está diseñado para funcionar de manera fiable a una temperatura ambiente normal.
- Tenga cuidado al manipularlo para evitar daños mecánicos o eléctricos en la placa de circuito impreso y los conectores.
- Evite manipular la placa de circuito impreso si está encendida. Solo toque los bordes para minimizar el riesgo de daños por descargas electrostáticas.



BeagleBone* AI is designed by BeagleBoard.org community. Supported by the BeagleBoard.org community. Manufactured in PRC by Embest Technology Co., Ltd. An Avnet Company. Tower B4/F, Shanshui Building, Nanshan Yung Innovation Industry Park, Shenzhen, P.R. China. www.embest-tech.com



Warning:

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

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.

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.

Radiation Exposure Statement

The device has been evaluated to meet general RF exposure requirement.

The device can be used in portable exposure condition without restriction.

The distance between user and products should be no less than 20cm.