

Ubuntu 16.04 Graphical Installation Guide

V1.0

Initiated by	Darryl Hsu	Job Title	Tech Support Engineer	Signature	
Release Status	V1.0			Release Date	2018/09/04

Drawings and specifications herein are property of Advantech and shall not be reproduced or copied or used without prior written



<u>Version</u>

Version	Date	Editor	Comment
V1.0	2018/09/04	Darryl Hsu	First released version



Contents

Version	<u>2</u>
Purpose	4
Requirements	
Before Installing Ubuntu	4
Procedures	4



Purpose

This guide is to provide a simple step-by-step guidance for users to follow on how to install Ubuntu OS on Advantech server.

Requirements

- a. Internet connection
- b. DVD burner with blank DVD medium or USB stick drive of minimum 2GB size

Before Installing Ubuntu

- a. Download Ubuntu image from Official Ubuntu download page
- b. Create bootable DVD or USB stick
 - Please go to <u>How to burn a DVD on Windows from official Ubuntu</u> <u>tutorials</u>
 - Please go to <u>Create a bootable USB stick on Windows from official</u> <u>Ubuntu tutorials</u>

Procedures

- a. Boot from install media
 - 1. Put the Ubuntu DVD into your DVD drive or insert the USB stick or other install media.
 - Power up the Advantech server and go to the BIOS by hitting the "DEL" or "F2" key.





3. In BIOS setup menu, move to the "Save&Exit" menu. You can select the DVD or USB stick in the "Boot Override" Menu. Boot Override will modify the boot order for a single boot process only and will automatically revert back to the original boot priority. After making these changes leave the Setup Menu via "Save&Exit".

Save Changes and Exit Discard Changes and Exit Save Changes and Reset Discard Changes and Reset	Exit system setup after saving the changes.
Save Options	
Save Changes	
Discard Changes	
Restore Defaults	
Save as User Defaults	
Restore User Defaults	++: Select Screen 11: Select Item
Boot Override	Enter: Select
UEFI: Built-in EFI Shell	+/-: Change Opt.
ubuntu (P4: INTEL SSDSCKJW180H6)	F1: General Help
SSATA P4: INTEL SSDSCKJW180H6	F2: Previous Values
UEFI: Linux File-Stor Gadget0414	F3: Optimized Defaults
UEFI: Linux File-Stor Gadget0414, Partition 1	F4: Save & Exit ESC: Exit



4. After a few seconds, you should see messages like those shown below on the

screen.



- 5. Select "Install Ubuntu Server" to install on Advantech server.
- b. Start to install Ubuntu OS on Advantech server.
 - 1. Choose your language

Choose the language to be used for the installation process. The selected language will also be the default language for the installed system. Language: C - No localization * Albanian - Shqip Arabic - マッチ Asturian - Asturianu Basque - Euskara Belarusian - Ebsarano Belarusian - Bosanaki Bulgarian - Bosanaki Bulgarian - Català Chinese (Simplified) - 中文(前体) Cratalan - Dansk Dutch - Destina Dansk Dutch - Nederlands Basque - Euskara Chinese (Simplified) - 中文(前体) Cratalan - Bosanaki Bulgarian - Densk Dutch - Nederlands Baician - Esperanto Esperanto - Esperanto Estinian - Bulgari French - Francais Bailcian - Dautsch Bailcian - Dautsch Bailcian - Bailgeo Barman - Dautsch Bailcian - Bailgeo Barman - Bailgen Thomesian - Bailgen		[11] Sele	ect a language
Language: C - No localization * Albanian - Shqip Arabic - マンダ Asturian - Asturianu Basque - Euskara Belarusian - Euskara Belarusian - Euskara Bulgarian - Euskara Bulgarian - Eusara Bulgarian - Eusara Bulgarian - Català Chinese (Traditional) - 中文(間体) - Cratian - Investki Cratian - Lestina Danish - Danisk Dutch - Nederlands Experanto Estonian - Esperanto Estonian - Esperanto Estonian - Esti Finnish - Suomi French - Français Galician - Galego German - Duutsch Galican - Galego German - Duutsch Galican - Galego German - Duutsch Horden - Traditional Galican - Galego German - Duutsch Galican - Galego German - Duutsch Galican - Galego German - Duutsch Habrew - D'Tul Hungarian - Shangar Telandic - Islenska Tradum - Galego Constina - Galego Constina - Galego Constina - Galego Constina - Catalan Craditiona - Cata	Choose the language to be used for the installed system.	for the installation proce	ess. The selected language will also be the default language
C - No localization Albanian - Shqip Arbabic - マオタ Astrian - Astrian Basque - Euskara Belarusian - Bezapyckan Bosanski Bulgarian - Ebwarpckan Bulgarian - Ebwarpckan Bulgarian - Ebwarpckan Catalan - Català Chinese (Impilfled) - 中文(資本) Croatian - Hrvatski Czech - Ceština Danish - Dansk Dutch - Nederlands Fagelish - Esperanto Estonian - Esperanto Estonian - Esti Finnish - Suoni French - Francis Balician - Galego Berman - Deutsch Greek - EXANDUKKX Hebrew - N°DU	Language:		
Totation - Latvino Japanese - 日本語 Kazakh - Kasak Koresan - 한국어 Kundish - Kundi		C Albanian Arabic Asturian Basque Belarusian Buigarian Cataian Cataian Chinese (Simplified) Dhinese (Traditional) Croatian Czech Danish Dutch Banglish Esperanto Estonian Finnish French Galician German Greek Hebrew Hungarian Icalandic Indonesian Irish Irish Irish Irialian Japanese Kazakh Kurean	 No localization * Shqip * Shqip * Asturlanu * Euskara * Bosanski * Bosanski * Bosanski * Bosanski * Pry (宿社) * Protection * Protection * Protection * Suomi * Suomi * Français * Galego * Deutsch * Fisienska * Bahasa Indonesia * Gaelige * Italiano *
<go back=""></go>	<go back=""></go>		



2. Choose your location



3. Choose the correct keyboard layout



AD\ANTECH

Enabling an Intelligent Planet

Advantech Confidential

[1] Configure the keyboard
The layout of keyboards varies per country, with some countries having multiple common layouts. Please select the country of origin for the keyboard of this computer.
Country of origin for the Keyboard:
Afghani *
Ambaric Anabic
Anabic (Morocco) Anabic (Syria)
Hrmmenian Azerbaijani Rambara
Bangta Belarusian
Belgian Bosnian
Braile Bulgarian Burmese
Chinese Croatian
Czech Oanish Delucek
Dutch Dzongkha
English (Cameroon) English (Ghana)
English (Nigeria) English (South Africa) English (UK)
Englistan (US) Esperanto
Estonian Faroese
Filipino B Finnish *
<go back=""></go>
ah) mnyesi (Snare) selerts: (Enter) artivates buttons
[1] Configure the Keyboard
Please select the layout matching the keyboard for this machine.
Keyboard layout:
English (US) - Cherokee English (US) - Cherokee English (US) - English (Colemak)
English (US) – English (Dvorak alternative international no dead keys) English (US) – English (Dvorak)
English (US) - English (Dvorak, international with dead kays) English (US) - English (Macintosh) English (US) - English (Macintosh)
English (US) - English (Programmer Dourak) English (US) - English (US, alternative international) English (US) - English (US, international with dead keys)
English (US) – English (US, with euro on 5) English (US) – English (Norkman)
English (US) - English (Horkman, international with dead keys) English (US) - English (classic Dvorak) English (US) - English (international AttGr dead keys)
English (US) – English (Left handed Dvorak) English (US) – English (right handed Dvorak)
English (US) - English (the divide/multiply keys toggle the layout) English (US) - Russian (US, phonetic) English (UD) - Rosek constinu (UD)
English (US) = Serdu-Lroatian (US) (Go Back)
Tab> moves; <space> selects; <enter> activates buttons</enter></space>



4. Configure the network with DHCP if there is a DHCP server in the network.



5. Enter the hostname of the system





6. Log-in as a root user directly is not allowed by Ubuntu. Therefore, you need

to create a new system user for the initial login.







7. Choose a password for the new user



8. Re-enter password to verify

Please enter the same user pass Re-enter password to verify:	et up users and passwords sword again to verify you h	ave typed it correctly.	
economic [] Show Password in Clear <60 Back>		KContinues	



9. If the password you set is too weak, then the installation will warn you by showing below message on the screen.





10. Configure the clock



11. Choose partition disks





12. Choose a disk device



13. Confirm disk device





14. Confirm partition









15. Configure the package manager





16. Choose software to install



17. Installation complete







18. First time log-in screen after the system reboot.

