## Waterproof Industrial Touch Panel PC

WP-9L Series User Manual





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## **Package Contents**



Please make sure that the items shown below are included in the package. Should an item be missing, please contact the local retailer from which you purchased this product.

- 1 x Industrial Touch Panel PC
- 1 x DC in Power adapter
- 1 x Power cord
- 1 x CD

• 4 x screws (M3 x 4) for 2.5" HDD or SSD (If customers order 2.5" HDD or SSD from our side, we don't offer 4 screws)

## **Safety Instructions**



- 1. Read Instructions: All the safety and operating instructions should be read before the equipment is operated.
- 2. Retain Instructions: The safety and operating instructions should be retained for future reference.
- 3. Cleaning: Unplug this equipment from the outlet before cleaning. Do not use liquid cleaners or aerosol cleaners. Use a damp cloth for cleaning.
- 4. Water and Moisture: Do not use this equipment near water.
- 5. Ventilation: The openings on the enclosure are provided for ventilation to ensure reliable operation of the equipment and to protect it from overheating. These openings should never be blocked.
- 6. Power Sources: This equipment should be operated only from the type of power source indicated on the rating label. If you are not sure of the type of power supply, consult your dealer or local power company.
- 7. Heed Warnings: All warnings on the equipment and in the operating instructions should be adhered to.
- 8. Object and Liquid Entry: Never push objects of any kind into this equipment through openings as they may touch dangerous voltage points or shout-out parts that could result in a fire or electric shock. Never spill liquid of any kind on the equipment.

- Servicing: Do not attempt to service this equipment yourself as opening or removing covers may expose you to dangerous voltage or other hazards. Refer all servicing to qualified service personnel.
- 10. Damage Requiring Service: Unplug this equipment from the outlet and refer servicing to qualified service personnel under the following conditions: a) if the power cord or plug is damaged; b) if liquid has penetrated into the equipment; c) if the equipment has been exposed to moisture; d) if the equipment does not work well, or you cannot get it to work according to the user's manual; e) if the equipment has been dropped and damaged; f) if the equipment has obvious signs of breakage.
- Do not leave this equipment in an environment where the storage temperature is below -10°C or above 70°C. It may damage the equipment.
- 12. Do not open the sealed enclosure / case of equipment. Once enclosure is disassembled without approval, it will lead in abnormal operating of water proof gel. For Guarantee of water proof function, please make sure configuration / peripheral has been confirmed to install before shipping.



## FCC

This device complies with Part 15 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.

## CE

The product(s) described in this manual complies with all applicable European Union (CE) directives if it has a CE marking. For computer systems to remain CE compliant, only CE-compliant parts may be used. Maintaining CE compliance also requires proper cable and cabling techniques.

## Introduction



WP-9L series is a fanless AMD T40N 1.0Ghz fully IP65 Industrial stainless steel touch Panel PC. With its fanless, robust, waterproof and stainless steel feature, it is an ideal solution for noise-free operating environment. Size selection is from 15", 17" to 19" for your choice.

Fully IP65 stainless steel touch panel PCs feature a variety of CPU, flexible memory, rich I/O ports and wireless function, It can work with different operation systems for different application such as industrial automation, food and medical application, etc.

With high quality stainless steel chassis covered around, full IP65 Industrial Panel Computer is completely water proof. Our system is made of industrial grade mother board, waterproof IP65 connectors, compact design chassis construction, industrial LCD display, user-friendly touch screen, I/O connection for network support and VESA mounting support.

## **Features**



- AMD T40N 1.0Ghz
- CPU on board
- Fully IP65 compliant 6 sides stainless steel chassis with hairy brush finish
- Fanless solution and compact design
- Low power consumption
- All IP65 waterproof stainless steel connectors including power switch with green LED indication
- Up to 2 x GLAN
- Up to 3 x RS232
- Up to 2 x USB
- 1024 x 768 dpi (15")
- 1280 x 1024 dpi (17" and 19")

## **Motherboard Specification**



Model Name	KD951- DT40N			
CPU	AMD T40N 1.0GHz, 2 x 512KB L2 cache			
Chipset		AMD A50M		
BIOS		AMI 64 Mbit SPI BIOS		
Memory	1 x	204-pin SODIMM socket supports DDR3 10	066MHz up to 8GB	
Display		Controller: AMD® Radeon™ HD Interfaœ: 1 x VGA, 1 x 24-bit LVDS,		
Ethernet		2 x Realtek® RTL8111DL 10/100/10	00 Mbps	
Audio		Realtek® ALC886 5.1-channel High Def	inition Audio	
Storage	1 x SATA 3.0, 1 x CF			
Expansion	1 x Mini PCIe, 1 x connector for daughterboard expansion (2 x PCIe x1, 4 x USB 2.0, 1 x LPC)			
Internal I/O	- 2 x USB 2.0/1.1 - 1 x LCD inverter - 1 x SATA	- 2 x RS-232/422/485 - 1 x 8-bit digital I/O connecto	- 1 x LVDS r - 1 x Audio	
Rear Panel I/O Port	- 1 x HDMI - 2 x USB 2.0/1.1	-1 x VGA -1 x 12V DC-in	- 2 x RJ45 LAN	
Power	DC 12V input			
Watchdog Timer	Output System reset, Programmable 1 ~ 255 sec/min			
Environment	Operating temperature: 0°C ~ 60°C Storage temperature: -20°C ~ 85°C			

## **System Specification**

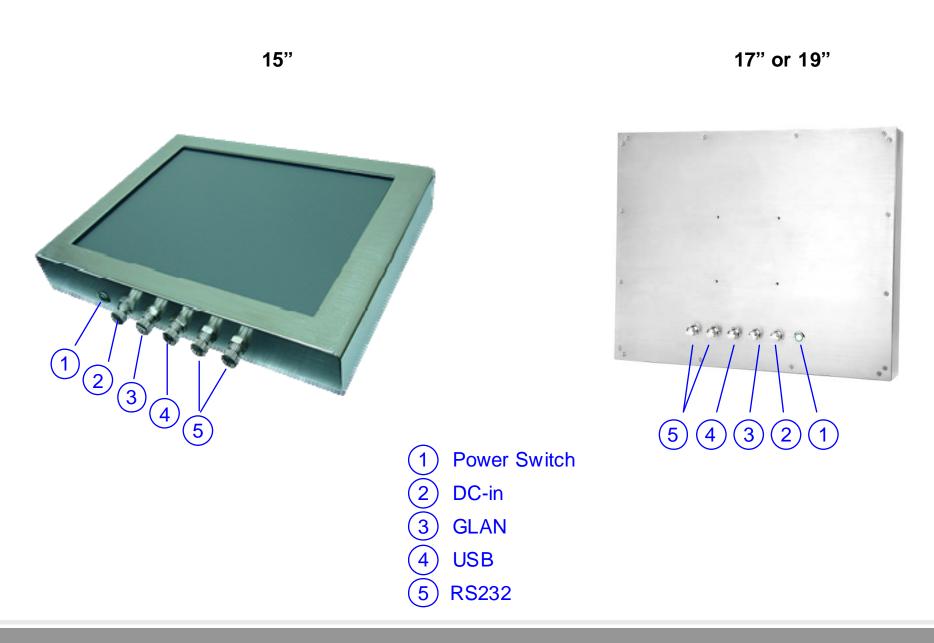


	Model Name	WP-9LR15T	WP-9LR17T	WP-9LR19T	
CPU		AMD T40N 1.0Ghz			
Chipset		AMD A50M			
	Memory		1 x DDR III SODIMM up to 8 GB		
	PowerSupply	DC in 12V external power adapter (Full IP65 external power adapter optional)			
	I/O Ports		2 x COM port, 1 x GLAN, 1 x USB 2.0, 2 x SATA socket Extra second GLAN optional, Extra second USB optional		
I	I/O Port's Location	Bottom	Back	Back	
	Expansion		1 x CF card socket, 1 x Mini PCle slot		
	Size/Type	(4:3) 15"	(4:3) 17"	(4:3) 19"	
	Resolution	1024 x 768	1280 x 1024	1280 x 1024	
	Colors	16.2 M	16.7 M	16.7 M	
<b>D</b> : 1	Luminanœ (cd/m2)	400	300	250	
Display	Contrast Ratio	700:1	800:1	1000:1	
	Viewing Angle (H/V°)	140/125	140/125	140/125	
	MTBF	50,000 hrs	50,000 hrs	50,000 hrs	
	Touch Screen	5-wire nesistive	5-wire resistive	5-wire resistive	
	Installation		VESA mounting 100 x 100 mm		
Dii	mension (W x H x D)	379 x 288 x 67 mm	425 x 361 x 67 mm	450 x 385 x 67 mm	
	Weight	8 kg	12 Kg	14 kg	
Ор	eration Temperature	0°C ~ 45°C			
StorageTemperature		-10°C ~ 70°C			
Relative Humidity		0% - 95% non-condensing			
OS		Windows 7 Pro, Embedded 7			
Optional Items		No touch screen, Memory, Storage devices, WIFI, OS			

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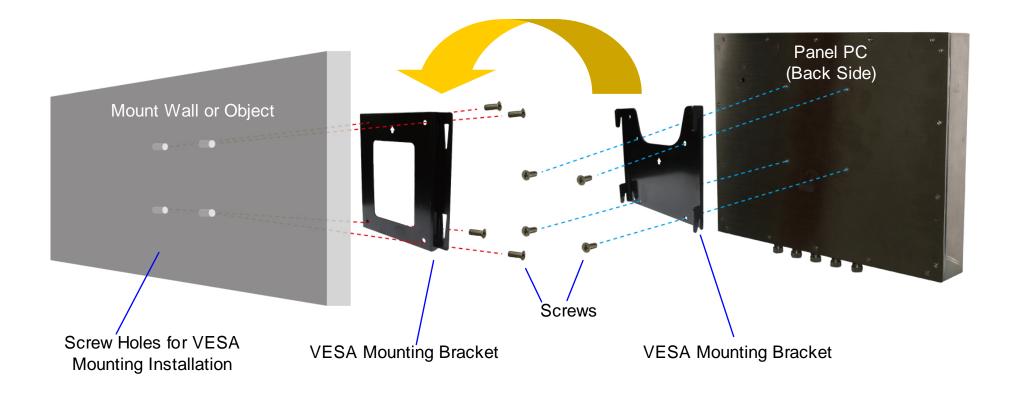
## **Connector Location**





## **VESA Mounting Installation**





...... Sep 1: screw the VESA mounting plate to the Panel PC

..... Step2: screw the VESA mounting bracket to the front of a wall or the front / back of an object dependingly

..... Step3: slide the VESA mounting plate onto the VESA mounting bracket



### Main

The Main menu is the first screen that you will see when you enter the BIOS Setup Utility.

Aptio	Setup Utility - Copyright (C) 2011 American Megatr	ends, Inc.
Main Advanced	Chipset Boot Security Save & Exit	
BIOS Information BIOS Vendor Core Version Compliancy Project Version Build Date and Time	American Megatrends 4.6.5.1 UEFI 2.3; PI 1.2 1APTJ 0.15 x64 02/01/2012 10:37:24	Set the Date. Use Tab to switch between Data elements.
Memory Information Total Memory	2032 MB (DDR3)	
System Language	[English]	MMM elect Screen
System Date System Time	[Thu 04/19/2012] [14:28:54]	Maximum Select Item Enter: Select +/-: Change Opt.
Access Level	Administrator	F1: General Help F2: Previous Values F3: Optimized Defaults F4: Save & Exit ESC: Exit
Ver	ion 2.14.1219. Convright (C) 2011 American Megatren	ds Inc

### System Date

The date format is <day>, <month>, <date>, <year>. Day displays a day, from Sunday to Saturday. Month displays the month, from January to December. Date displays the date, from 1 to 31. Year displays the year, from 1980 to 2099.

#### System Time

The time format is <hour>, <minute>, <second>. The time is based on the 24-hour military-time clock. For example, 1 p.m. is 13:00:00. Hour displays hours from 00 to 23. Minute displays minutes from 00 to 59. Second displays seconds from 00 to 59.

### Advanced

The Advanced menu allows you to configure your system for basic operation. Some entries are defaults required by the system board, while others, if enabled, will improve the performance of your system or let you set some features according to your preference.

## Important: Setting incorrect field values may cause the system to malfunction.

Aptio Set	ap Utility - Copyr	right (C) 2011	American Megati	rends, Inc.
Main Advanced	Chipset Boot	Security	Save & Exit	
Legacy OpROM Support Launch PXE OpROM Launch Storage OpROM PCI Subsystem Settings ACPI Power Manageme Trusted Computing CPU Configuration IDE Configuration Super IO Configuration PC Health Status MB36X ATA Controlle	nt Configuration	[Disabled] [Enabled]		Enable or disable boot op- tions for Legacy Network Devices
Version 2.14.1219. Copyright (C) 2011 American Megatrends, Inc.				

## Launch PXE OpROM

Enables or disables the boot option for legacy network devices.

### Launch Storage OpROM

Enables or disables the boot option for legacy mass storage devices with option ROM.



### **PCI Subsystem Settings**

This section is used to configure the PCI subsystem settings.

Aptio Setup Utility - Copyright (C) 2011 American Megatrends, Inc. Advanced			
PCI Option ROM Handling PCI ROM Priority	[EFI Compatible ROM]	In case of multiple option ROMs (Legacy and EFI Compatible), specifies what PCI option ROM to launch.	
		⊠⊠⊠elect Screen ⊠⊠⊠ Select Item Enter: Select +/-: Change Opt F1: General Help	
Version 2.14.121	9. Copyright (C) 2011 American Megat	F2: Previous Values F3: Optimized Defaults F4: Save & Exit ESC: Exit	

## **ACPI Power Management Configuration**

This section is used to configure the ACPI Power Management.

Aptio Setup Utility - ( Advanced	Copyright (C) 2011 American Me	gatrends, Inc.	
ACPI Power Management Configuratio	n	Enables or Disables BIOS	
Enable ACPI Auto Configuration	[Disable]	ACPI Auto Configuration.	
ACPI Sleep State	[S3 (Suspend to RAM) ]		
Resume by PME Wake system with fixed time	[Disabled] [Disabled]		
		⊠⊠⊠elect Screen ⊠⊠⊠ Select Item	
		Enter: Select +/-: Change Opt.	
		F1: General Help F2: Previous Values	
		F3: Optimized Defaults F4: Save & Exit ESC: Exit	
Version 2.14.1219. Copyright (C) 2011 American Megatrends, Inc.			

#### ACPI Sleep State

Selects the highest ACPI sleep state the system will enter when the Suspend button is pressed.

S1(POS) Enables the Power On Suspend function.

S3(STR) Enables the Suspend to RAM function.

### Resume by PME

Enable this field to use the PME signal to wake up the system.

### Wake system with fixed time

Enable or disable system wake on alarm event. When enabled, system will wake on the hr::min::sec specified.



## Trusted Computing (optional)

This section configures settings relevant to Trusted Computing innovations.

Aptio Setup Uti Advanced	lity - Copyright (C) 2011 Amer	ican Megatrends, Inc.
Configuration TPM Support Current Status Information No Security Device Found	[Disabled]	Enables or Disables BIOS support for security device. O.S. will not show Security Device. TCG EFI protocol and INTIA interface will not be available.
		⊠⊠⊠Elect Screen         ⊠⊠⊠ Select Item         Enter: Select         +/-:       Change Opt.         FI:       General Help         F2:       Previous Values         F3:       Optimized Defaults         F4:       Save & Exit         ESC:       Exit
Version 2.14.1219. Copyright (C) 2011 American Megatrends, Inc.		

### TPM Support

Enables or Disables TPM. O.S. will not show TPM. Resetting the platform is required.

## **CPU Configuration**

This section is used to configure the CPU. It will also display the detected CPU information.

Aptio Setup Utility - Copyright (C) 2011 American Megatrends, Inc.			
Advanced			
CPU Configuration	Disabled for Windows XP		
Node0: AMD G-T56N Processor Dual Core Running @ 1678 MHz 1350 mV Max Speed: 1650 MHz Intended Speed: 1650 MHz			
Limit CPUID Maximum [Disabled]			
	Image: Select Screen       Image: Select Item       Enter: Select       +/-: Change Opt.       F1: General Help       F2: Previous Values       F3: Optimized Defaults       F4: Save & Exit       ESC: Exit		
Version 2.14.1219. Copyright (C) 2011 American Megatrends, Inc.			

### Limit CPUID Maximum

The CPUID instruction of some newer CPUs will return a value greater than 3. The default is Disabled because this problem does not exist in the Windows series operating systems. If you are using an operating system other than Windows, this problem may occur. To avoid this problem, enable this field to limit the return value to 3 or less than 3.



## **IDE Configuration**

This section is used to configure IDE functions.

Aptio Setup Uti Advanced	lity - Copyright (C) 2011 American Me	gatrends, Inc.	
IDE Configuration OnChip SATA Channel OnChip SATA Type	[Enabled] [IDE]	Enable or Disable Serial ATA	
SATA Port0	ST500DM002-1BD (500.1	⊠⊠ Select Screen       ⊠⊠ Select Item       Enter: Select       +/-:       Change Opt       F1:       General Help       F2:       Previous Values       F3:       Optimized Defaults       F4:       Save & Exit       ESC:       Exit	
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## OnChip SATA Type

This field is used to configure the SATA devices supported by the AMD T56N/T40N.

**Native IDE** This option configures the Serial ATA drives as Parallel ATA storage devices.

**RAID** This option allows you to create RAID on Serial ATA devices.

**AHCI** This option allows the Serial ATA devices to use AHCI (Advanced Host Controller Interface).

**Legacy IDE** This option configures the Serial ATA drives as Legacy IDE storage devices.

## **USB** Configuration

This section is used to configure USB.

Aptio Setup Utili Advanced	ty - Copyright (C) 2011 American Mega	rrends, Inc.
USB Configuration USB Devices: 1 Drivers, 1 Keyboard, 1 mc Legacy USB Support EHCI Hand-off USB hardware delays and time-out Device reset time-out	[Enabled] [Enabled]	Enables Legacy USB support. AUTO option disables legacy support if no USB devices are connected. DISABLE option will keep USB devices available only for EFI applications.
		Image: Select Screen           Image: Select Item           Enter: Select           +/-: Change Opt.           F1: General Help           F2: Previous Values           F3: Optimized Defaults           F4: Save & Exit           ESC: Exit
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Legacy USB Support

## Enabled

Enables legacy USB.

Auto

Disables support for legacy when no USB devices are connected.

Disabled

Keeps USB devices available only for EFI applications. <u>EHCI Hand-off</u>

This is a workaround for OSes that does not support EHCI hand-off. The EHCI ownership change should be claimed by the EHCI driver.

Device reset time-out

Selects the USB mass storage device start unit command timeout.



## **Super IO Configuration**

This section is used to configure the serial port functions.

Aptio Setup Utility Advanced	Aptio Setup Utility - Copyright (C) 2011 American Megatrends, Inc. Advanced			
Super IO Configuration Super IO Chip Serial Port 0 Configuration Serial Port 1 Configuration	Winbond W83627DHG	Set Parameters of Serial Port 0 (COMA)		
Case Open Beep	[Disabled]			
Watchdog	[Disabled]			
AC Power Loss	[Tums Off]			
		Image: Select Screen       Image: Select Item       Enter: Select       +/-:       Change Opt.       F1:       General Help       F2:       Previous Values       F3:       Optimized Defaults       F4:       Save & Exit       ESC:       Exit		
Version 2.14.1219. Copyright (C) 2011 American Megatrends, Inc.				

## Case Open Beep

Set this field to Enabled to allow the system to alert you of a chassis intrusion event.

### Watchdog

This field is used to enable or disable the Watchdog Timer function.

## AC Power Loss

### Turns Off

When power returns after an AC power failure, the system's power is off. You must press the Power button to power-on the system.

## Turns On

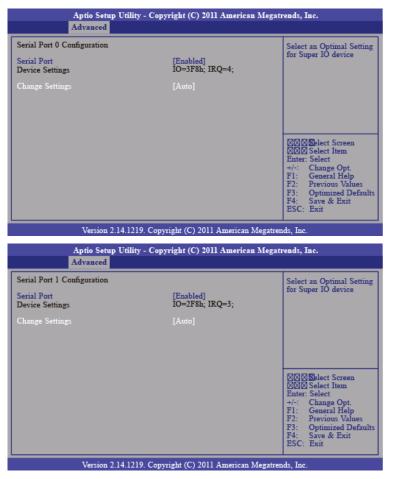
When power returns after an AC power failure, the system will automatically power-on.

### Former-Sts

When power returns after an AC power failure, the system will return to the state where you left off before power failure occurs. If the system's power is off when AC power failure occurs, it will remain off when power returns. If the system's power is on when AC power failure occurs, the system will power-on when power returns



## Serial Port 0 Configuration to Serial Port 1 Configuration



<u>Serial Port</u> Enables or disables the serial port. <u>Change Settings</u> Selects the IO/IRQ setting of the I/O device.

## **PC Health Status**

This section displays the SIO hardware health monitor.

PC Health Status         Smart I           SYSTIN Temperature         : +32 C           CPUTIN Temperature         : +40 C           System FAN Speed         : N/A           CPU FAN Speed         : N/A           CPUVCore         : +1384V           +5V         : +4.872 V           +3.3V         : +3.360V           CPUVNB         : +0.960 V           VDIMM         : +1.544 V           +12V         : +3.344 V           WBAT         : +3.088 V
F1: 0 F2: F F3: 0 F4: S ESC: F

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## JMB36X ATA Controller Configuration

Aptio Setup Utility - Copyright (C) 2011 American Megatrends, Inc. Advanced		
CF Card	Not Present	Select an operative mode for ATA con-
JMB 368 ATA Controller	[IDE Mode]	troller.
		⊠⊠≥lect Screen       ⊠⊠ Select Item       Enter: Select       +/-:     Change Opt.       F1:     General Help       F2:     Previous Values       F3:     Optimized Defaults
F4: Save & Exit ESC: Exit Version 2.14.1219. Copyright (C) 2011 American Megatrends, Inc.		

## Chipset

## Configures relevant chipset functions.

	Aptio S	etup Utility -	Copyrig	ht (C) 2011	American Megati	rends, Inc.
Main	Advanced	Chipset	Boot	Security	Save & Exit	
<ul> <li>North I</li> <li>North I</li> <li>South I</li> </ul>	Bridge LVDS (	Config Select				North Parameters
Version 2.14.1219. Copyright (C) 2011 American Megatrends, Inc.						

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## North Bridge Configuration

Aptio Setup Utility - Copyright (C) 2011 American Megatrends, Inc. Chipset	
North Bridge Configuration         Memory Information         Memory Clock: 533 MHz         Total Memory: 2032 MB (DDR3)         > GFX Configuration         > Memory Configuration         > Node 0 information	PCI Express Coniguration settings.
	Image: Select Screen       Image: Select Item       Enter: Select       +/-:     Change Opt.       F1:     General Help       F2:     Previous Values       F3:     Optimized Defaults       F4:     Save & Exit       ESC:     Exit
Version 2.14.1219. Copyright (C) 2011 American Megatrends, Inc.	

## **GFX Configuration**

Aptio Setup Utilit Chipset	ry - Copyright (C) 2011 American M	vlegatrends, Inc.
GFX Configuration Primary Video Device	[IGD Video]	Select primary device that BIOS will use for output.
NB GPP Core Config	[GPP_Core_x4 x4]	
		⊠⊠ Belect Screen       ⊠⊠ Select Item       Enter: Select       +/-:     Change Opt.       F1:     General Help       F2:     Previous Values       F3:     Optimized Defaults       F4:     Save & Exit       ESC:     Exit
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NB GPP Core Config

Selects the NB GPP Core configuration.



## Memory Configuration

Aptio Setup Utility - Copyright (C) 2011 American Megatrends, Inc. Chipset		
Memory Configuration Integrated Graphics	[Auto]	Enable Integrated Graph- ics Controller.
		⊠⊠⊠elect Screen       ⊠⊠⊠ Select Item       Enter: Select       +/-:       Change Opt.       F1:       General Help       F2:       Previous Values       F3:     Optimized Defaults       F4:     Save & Exit       ESC:     Exit
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### **Node 0 Information**

Aptio Setup Utility - Copyright (C) 2011 American Megatr Chipset	ends, Inc.	
Node0 Information		
Starting Address: 0 KB Ending Address: 2097151KB		
DIMM0: Size = 2048 MB, speed = 533MHz		
	XXXXelect Screen XXX Select Item	
	Enter: Select +/-: Change Opt.	
	F1: General Help F2: Previous Values	
	F3: Optimized Defaults F4: Save & Exit	
	ESC: Exit	
Version 2.14.1219. Copyright (C) 2011 American Megatrends, Inc.		



## North Bridge LVDS Config Select

Aptio Setup Utility - Copyright (C) 2011 American Megatrends, Inc. Chipset		
Specify INT15 options for LVDS HDMI LVDS	[Enable] [Disable]	NB PCIE Connect Type( display device)
Uersion 2.14.1219. Copyright (C) 2011 American Megatrends, Inc.		

### LVDS

This field is used to enable or disable the LVDS Panel

## South Bridge

Aptio Setup Utility - Chipset	Copyright (C) 2011 American Megati	rends, Inc.
SB CIM Version : ► SB USB Configuration ► SB HD Azalia Configuration	1.1.1.2	Options for SB USB Configuration.
		⊠⊠∑ Select Screen       ⊠⊠∑ Select Item       Enter: Select       +/-: Change Opt.       F1: General Help       F2: Previous Values       F3: Optimized Defaults       F4: Save & Exit       ESC: Exit
Version 2.14.1219. Copyright (C) 2011 American Megatrends, Inc.		



## SB USB configuration

	Aptio Setup Utility - Copyright (C) 2011 American Chipset	Megatrends, Inc.
USB Port 0 USB Port 1 USB Port 2 USB Port 3	 [Enabled] [Enabled] [Enabled] [Enabled]	Enable or disable USB Port0.
Version 2.14.1219. Copyright (C) 2011 American Megatrends, Inc.		

## SB HD Azalia configuration

Aptio Setup Utility - Co <mark>Chipset</mark>	pyright (C) 2011 American M	fegatrends, Inc.
HD Audio Azalia Device	[Enabled]	Enable or Disable Audio Azalia Device
Version 2.14.1219. Copyright (C) 2011 American Megatrends, Inc.		



### Boot

Aptio Setup Utility - Copyright (C) 2011 American Megatrends, Inc.			
Main Advanced C	ipset Boot Security Save & Exit		
Boot Configuration Setup Prompt Timeout Bootup NumLock State Quiet Boot Fast Boot CSM16 Module Version	l [On] [Disabled] [Disabled] 07.68	Number of seconds to wait for setup activation key. 65535(0xFFFF) means indefinite waiting.	
GateA20 Active Option ROM Messages Interrupt 19 Capture CSM Support	[Upon Request] [Force BIOS] [Enabled] [Enabled]	⊠⊠⊠elect Screen ⊠⊠⊠ Select Item	
Boot Option Priorities Boot Option #1 Boot Option #2 Boot Option #3 Hard Driver BBS Priorities USB Driver BBS Priorities	[UEFI: JetFlashTran] [SATA PM: ST500DM0] [JetFlashTranscend]	Enter: Select +/-: Change Opt. F1: General Help F2: Previous Values F3: Optimized Defaults F4: Save & Exit ESC: Exit	
Version 2.14.1219. Copyright (C) 2011 American Megatrends, Inc.			

### Setup Prompt Timeout

Selects the number of seconds to wait for the setup activation key. 65535(0xFFFF) denotes indefinite waiting. <u>Bootup NumLock State</u>

This allows you to determine the default state of the numeric keypad. By default, the system boots up with NumLock on wherein the function of the numeric keypad is the number keys. When set to Off, the function of the numeric keypad is the arrow keys.

### Quiet Boot

Enables or disables the quiet boot function.

## Fast Boot

Enables or disables boot with initialization of a minimal set of devices required to launch active boot option. Has no effect for BBS boot options.

### GateA20 Active

Upon Request- GA20 can be disabled using BIOS services.

Always- Do not allow disabling GA20; this option is useful when any RT code is executed above 1MB.

## Option ROM Messages

Set display mode for option ROM.

Interrupt 19 Capture

Enabled: Allows option ROMs to trap Int 19.

Disabled:

### CSM Support

Enabled/ disabled CSM support. If auto is selected, based on OS, CSM will be enabled/ disabled automatically.



## Security

Aptio Setup Utility - Copyright (C) 2011 American Megatrends, Inc.		
Main Advanced Chipset Boot <mark>Security</mark> Save & Exit		
Password Description         If ONLY the Administrator's password is set,         then this only limits access to Setup and is only         asked for when entering Setup.         If ONLY the User's password is set, then this         is a power on password and must be entered to         boot or enter Setup. In Setup the User will have         Administrator rights.         The password length must be         in the following range:         Minimum length       3         Maximum length       20         Administrator Password         User Password         HDD Security Configuration:         HDD 0: ST500DM002-1	Set Administrator Password.	
Version 2.14.1219. Copyright (C) 2011 American Megatrer	ıds, Inc.	

## Administrator Password

Sets the administrator password. <u>User Password</u> Sets the user password.

## Save & Exit

Aptio Setup Utility - Copyright (C) 2011 American Megatrends, Inc.		
Main Advanced Chipset Boot Security Save & Exit		
Save Changes and Reset Discard Changes and Reset	Reset the system after saving the changes.	
Save Options Save Changes Discard Changes		
Restore Defaults Save as User Defaults Restore User Defaults		
Boot Ovenide UEFI: JetFlashTranscend 8GB 1100 SATA PM: ST500DM0-1BD142 JetFlashTranscend 8GB 1100	XXX XX XX Select Item Enter: Select +/-: Change Opt.	
Launch EFI Shell from filesystem device	F1: General Help F2: Previous Values F3: Optimized Defaults F4: Save & Exit ESC: Exit	
Version 2.14.1219. Copyright (C) 2011 American Megat	rends, Inc.	

## Save Changes and Reset

To save the changes, select this field and then press <Enter>. A dialog box will appear. Select Yes to reset the system after saving all changes made.

## **Discard Changes and Reset**

To discard the changes, select this field and then press <Enter>. A dialog box will appear. Select Yes to reset the system setup without saving any changes.

### Save Changes

Save the changes done so far to any of the setup options. Discard Changes

Discard the changes done so far to any of the setup options.



### **Restore Defaults**

To restore and load the optimized default values, select this field and then press <Enter>. A dialog box will appear. Select Yes to restore the default values of all the setup options.

### Save as User Defaults

To save changes done so far as user default, select this field and then press <Enter>. A dialog box will appear. Select Yes to save values as user default.

#### **Restore User Defaults**

To restore user default to all the setup options, select this field and then press <Enter>. A dialog box will appear. Select Yes to restore user default.

## Updating the BIOS

To update the BIOS, you will need the new BIOS file and a fl ash utility, AFUDOS.EXE. Please contact technical support or your sales representative for the files.

To execute the utility, type:

A:> AFUDOS BIOS\_File\_Name /b /p /n

then press <Enter>.

	mware Update Utility(APTIO) v2.25 American Megatrends Inc. All Rights Reserved. +	
Reading file Erasing flash Writing flash Verifying flash Erasing BootBlock Writing BootBlock Verifying BootBlock	done done done done done done done	
C:\AFU\AFUDOS>		

## **Driver Installation**



The WP-9L Series comes with an AutoRun CD-ROM that contains all drivers and utilities that can help you to install the driver automatically.

Insert the driver CD, the driver CD-title will auto start and show the installation guide. If not, please follow the sequence below to install the drivers.

### Step 1 – Install Chipset Driver

- 1. Click on the STEP1-CHIPSET folder and select the OS folder your system is
- 2. Double click on the .exe file located in each OS folder
- 3. Follow the instructions that the window shows

4. The system will help you install the driver automatically

### Step 2 - Install VGA Driver

1. Click on the STEP2-VGA folder and select the OS folder your system is

2. Double click on the Setup.exe file located in each OS folder

3. Follow the instructions that the window shows

4. The system will help you install the driver automatically

### Step 3 –Install LAN Driver

- 1. Click on the STEP3-LAN folder and select the OS folder your system is
- 2. Double click on the .exe file located in each OS folder
- 3. Follow the instructions that the window shows
- 4. The system will help you install the driver automatically

## Step 4 - Install Touch Driver (Optional)

1. Click on the STEP4-TOUCH (Option) folder and select the OS folder your system is

- 2. Double click on the .exe located in each OS folder
- 3. Follow the instructions that the window shows
- 4. The system will help you install the driver automatically

## Step 5 - Install Rapid Storage Driver (Optional)

- 1. Click on the STEP5-RAPID STORAGE (Option) folder and double click on the setup.exe
- 2. Follow the instructions that the window shows
- 3. The system will help you install the driver automatically

## **Contact Information**



Any questions, please contact your local dealer or contact us via the following means:

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