



# Huawei Tecal RH2285 V2 Server Compatibility List

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# About This Document

## Purpose

This document describes the compatibility of HUAWEI Server in terms of its processor, dual in-line memory module (DIMM), hard disk controller, hard disk, operating system (OS), peripheral component interconnect express (PCIe) card, third-party storage device, and certification.

## Intended Audience

This document is intended for:

- Server customers
- Technical support personnel
- Maintenance personnel
- Account managers
- Product managers
- Sales managers

## Symbol Conventions

The symbols that may be found in this document are defined as follows.

Symbol	Description
 <b>DANGER</b>	Alerts you to a high risk hazard that could, if not avoided, result in serious injury or death.
 <b>WARNING</b>	Alerts you to a medium or low risk hazard that could, if not avoided, result in moderate or minor injury.
 <b>CAUTION</b>	Alerts you to a potentially hazardous situation that could, if not avoided, result in equipment damage, data loss, performance deterioration, or unanticipated results.
 <b>TIP</b>	Provides a tip that may help you solve a problem or save time.
 <b>NOTE</b>	Provides additional information to emphasize or supplement important points in the main text.

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# Huawei Tecal RH2285 V2 Server

## 1.1 OS

Model	Description	Remarks
Windows2008 SP2	Microsoft Windows Sever 2008 SP2 32bit Windows Certification URL: ▶	
Windows2008 R2 SP1	Microsoft Windows Sever 2008 R2 SP1 64bit Windows Certification URL: ▶	
Windows 2012	Microsoft Windows Sever 2012 64bit	
RHEL 6U1	Red Hat Enterprise Linux 6. Update 1 Server for x86/Intel EM64T Redhat Certification URL:▶	
SLES 11.1	SUSE Linux Enterprise Server 11 Service Pack 1 for x86/Intel EM64T Suse Certification URL: ▶ and ▶	
Oracle 6.1	Oracle Enterprise Linux 6.1 Server X86_64 Oracle Certification URL: ▶	
Solaris 10u10	Solaris 10 Update 10 Solaris Certification URL: ▶	See <sup>1</sup>
CentOS 5U7	CentOS Linux 5. Update 7 for x86/Intel EM64T	
Kylin V3.2	Kylin Linux V3.2 for AMD64/Intel EM64T	

1. Don't support virtual CD/DVD

## 1.2 OS Part Number

Part Number	Description	Remarks
05200154	Windows Server 2008R2 Chinese Edition, Standard(1-4CPU, 5CAL) - Generic OEM COA Lic, 64bit, No DVD, With EULA- No Doc, Without Product Services	
05200132	Windows Server 2008 R2,English Version,Ent,64bit,WinSvr2008 R2 Ent OEM COA Lic,25CAL,Win Svr 2008 R2 Ent DVD,With EULA,No Doc,Without Product Services	
05200127	Windows Server 2008 R2,Chinese,Ent,25CAL,64bit,WinSvr2008 R2 Ent OEM COA Lic,Win Svr 2008 R2 Ent CD,No Doc,Without Product Services	

## 1.3 PCIE-FC HBA Card

Part Number	Vendor of FC HBA card	Model of FC HBA card	Description	OS	Storage	Switch	Remarks
06030220	Qlogic	QLE2562	Dual Port 8Gbps Fibre Channel Host Bus Adapter Card -PCIE 2.0 x8 -multi-mode optic -DLC -Half-height half-length	<i>Compatibility List URL:</i> ►			
06030221	Qlogic	QLE2560	Single Port 8Gbps Fibre Channel Host Bus Adapter Card -PCIE 2.0 x8 -multi-mode optic -DLC -Half-height half-length	<i>Compatibility List URL:</i> ►			
06030217	Emulex	LPE12002	Dual Port 8Gbps Fibre Channel Host Bus Adapter Card -PCIE 2.0 x8 -multi-mode optic -DLC -Half-height half-length	<i>Compatibility List URL:</i> ►			

06030216	Emulex	LPE12000	Single Port 8Gbps Fibre Channel Host Bus Adapter Card -PCIE 2.0 x8 -multi-mode optic -DLC -Half-height half-length	<i>Compatibility List URL:</i> ▶	
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#### 1.4 PCIE-CNA Card

Part Number	Vendor of FCOE card	Model of FCOE card	Description	OS	Storage	Switch	Remarks	
06030223	Emulex	OCe11102-FM	Dual Port 10Gbps FCoE Host Bus Adapter Card -PCIE 2.0 x8 -multi-mode optic -Half-height half-length	<i>Compatibility List URL:</i> ▶				

#### 1.5 PCIE-InfiniBand Card

Part Number	Vendor of IB card	Model of IB card	Description	OS	Storage	Switch	Remarks
				Please Insert link 1 (Vendor)			

#### 1.6 PCIE-Network card

Part Number	Vendor of Network card	Model of Network card	Description	OS	Remarks
06310023	Intel	82576	Dual Port Gigabit Ethernet Server Adapter,RJ45 Copper, CIE 2.0 X4 -Half-height half-length		

06310025	Intel	82580	Quad Port Gigabit Ethernet Card,RJ45 Copper,PCIE 2.0 X4 -Half-height half-length		
06310024	Intel	82599	Dual Port 10 Gigabit Ethernet Server Adapter,SFP+ Direct Attach Copper,PCIE 2.0 X8 -Half-height half-length		
06310026	Intel	82599	Dual Port 10 Gigabit Ethernet Server Adapter,LC Fiber Optic, PCIE 2.0 X8 -Half-height half-length		
06310038	Silicom	82576	Dual Port Gigabit Ethernet Server Adapter,RJ45 Copper, CIE 2.0 X4 -Half-height half-length		
06310039	Silicom	82599	Dual Port 10 Gigabit Ethernet Server Adapter,SFP+ Direct Attach Copper,PCIE 2.0 X8 -Half-height half-length		
06310040	Silicom	82580	Quad Port Gigabit Ethernet Card,RJ45 Copper,PCIE 2.0 X4 -Half-height half-length		

06310041	Silicom	82599	Dual Port 10 Gigabit Ethernet Server Adapter,LC Fiber Optic, PCIE 2.0 X8 -Half-height half-length		
06310042	Silicom	82571	Quad Port Gigabit Ethernet Card, LC Fiber Optic,PCIE1.0 X4 -Half-height half-length		
03030PWD	Huawei	82599	Dual Port 10 Gigabit Ethernet Card, XFP/SFP+,PCIE 2.0 X8 -Half-height half-length		

**1.7 PCIE-SSD Card**

Part Number	Vendor of SSD card	Model of SSD card	Description	OS	Remarks
03030NQC	Huawei	SSD	The 3rd Generation PCIE SSD Card 640GB 25nm PCIE 1.1 X8		
02310NHE	Huawei	SSD	Function Module, Tecal ES3000, CN2M01 SSDD 800GB		
02310NHB	Huawei	SSD	Function Module, Tecal ES3000, CN2M01 SSDD 1.2TB		
02310NHD	Huawei	SSD	Function Module, Tecal ES3000, CN2M01 SSDD, 2.4TB		

### 1.8 PCIE-GPU Card

Part Number	Vendor of GPU card	model of GPU card	Description	OS	Remarks
06320030	Nvidia	NVS 300	Video Card,GPU Card,512MB DDR3,64bit, 12.6GB/sec;PCIex16, 15.1W,Passive Cooling, Low profile, 2.731"(H) x 5.7"(L)	NeoKylin3.2-skl for Intel EM64T 64bit; Solaris 10 update 9 32bit; Ubuntu V10.04.3 for Intel EM64T;	
06320031	Nvidia	Qudaro 2000	Video Card,GPU card,1GB memory,41.6 GB/s Bandwidth,x16-10DE -0DD8,PCIE 2.0 ,Active Cooling, 4.376(H) x 7.00 (L)	SUSE Linux Enterprise Server 11 Service Pack 1 for x86/Intel EM64T;	Not ready for sale

### 1.9 FC/Network MEZZ Card

Note: RH2285 V2 not support FC/Network MEZZ Card.

### 1.10 Virtualization software

Model	Description	Remarks
RHEL 6.1 KVM	Red Hat Enterprise Linux 6. Update 1 Server for x86/Intel EM64T Redhat Certification URL: ▶	
Oracle VM 3.0.2	Oracle Server VM 3.0.2 Oracle Certification URL: ▶	
Citrix 5.6	Citrix XenServer 5.6.0	
Citrix 6.0	Citrix XenServer 6.0.0	
Vmware 4.1	Vmware ESXI 4.1.0	
Vmware 5.0	Vmware ESXi 5.0.0	

### 1.11 Application software

Type of Software	Software	CPU	OS	Remarks
SAP Linux	ERP2005SR1	1-2 Intel® XeonTM processors  All types are supported	Red Hat Enterprise Linux  SUSE Linux Enterprise Server	Detail URL: <a href="#">▶</a>

### 1.12 Database

Part Number	Vendor of Software	Software	OS	Cluster	Server	Remarks

### 1.13 Management Software

Vendor of Software	Software	OS	Server	Remarks
Huawei	Huawei ISM	RHEL 6U1 SLES 11.1	RH2285 V2	

### 1.14 Processor

Part Number	Description	Remarks
41020308	Intel Xeon Processor E5-2403 SandyBridge-EN - 4 Core - 1.8GHz - QPI 6.4GT/s - L3 Cache 10M - 1066MHz-80W	
41020309	Intel Xeon Processor E5-2407 SandyBridge-EN - 4 Core - 2.2GHz - QPI 6.4GT/s - L3 Cache 10M - 1066MHz-80W	

41020229	Intel Xeon Processor E5-2420 SandyBridge-EN - 6 Core - 1.9GHz - QPI 7.2GT/s - L3 Cache 15M -1333MHz- 95W	
41020302	Intel Xeon Processor E5-2430 SandyBridge-EN - 6 Core - 2.2GHz - QPI 7.2GT/s - L3 Cache 15M - 1333MHz-95W	
41020303	Intel Xeon Processor E5-2440 SandyBridge-EN - 6 Core - 2.4GHz - QPI 7.2GT/s - L3 Cache 15M -1333MHz-95W	
41020306	Intel Xeon Processor E5-2430L SandyBridge-EN - 6 Core - 2.0GHz - QPI 7.2GT/s - L3 Cache 15M - 1333MHz-60W	
41020304	Intel Xeon Processor E5-2450 SandyBridge-EN - 4 Core - 2.1GHz - QPI 8.0GT/s - L3 Cache 10M - 1600MHz-95W	
41020307	Intel Xeon Processor E5-2450L SandyBridge-EN - 8 Core - 1.8GHz - QPI 8.0GT/s - L3 Cache 20M - 1600MHz-70W	
41020305	Intel Xeon Processor E5-2470 SandyBridge-EN - 8 Core - 2.3GHz - QPI 8.0GT/s - L3 Cache 20M - 1600MHz-95W	

### 1.15 DIMM

Part Number	Description	Remarks
06200110	DDR3 RDIMM-4GB-2Rx8 2Gbit- LV 1.35V 1333-Height 30mm	
06200111	DDR3 RDIMM-8GB-2Rx4 2Gbit- LV 1.35V 1333-Height 30mm	
06200107	DDR3 RDIMM-16GB-2Rx4 4Gbit- LV 1.35V 1333-Height 30mm	
06200121	DDR3 RDIMM-16GB-2Rx4 4Gbit- 1.5V 1600-Height 30mm	

06200139	DDR3 RDIMM-8GB-2Rx8 4Gbit- 1.5V 1600-Height 30mm	
06200123	DDR3 RDIMM-8GB-2Rx8 4Gbit- 1.35V 1600-Height 30mm	1600MHz not be supported by CPU

## 1.16 Hard Disk Controller

Part Number	Description	Remarks
03021ENL	SR120 Server Raid Controller- SAS 6G/SATA 6G - RAID0 / RAID1 / RAID1E /RAID10	
02310KTK	SR220 Server Raid Controller- SAS 6G/SATA 6G - Cache 512MB – 8 Disk-RAID0 / RAID1 / RAID10 /RAID5 / RAID50	
02310KTM	SR620 Server Raid Controller- SAS 6G/SATA 6G - Cache 512MB -8 Disk - RAID0 / RAID1 / RAID10 /RAID5 / RAID6 /RAID50 /RAID60	
02310KTL	SR320 Server Raid Controller- SAS 6G/SATA 6G - Cache 512MB -16 Disk - RAID0 / RAID1 / RAID10 /RAID5 / RAID50	
02310MGE	SR320 Server Raid Controller- SAS 6G/SATA 6G - Cache 1GB -16 Disk- RAID0 / RAID1 / RAID10 /RAID5 / RAID50	
02310MGD	SR220 Server Raid Controller- SAS 6G/SATA 6G - Cache 1G -8 Disk- RAID0 / RAID1 / RAID10 /RAID5 / RAID50	
02310MGF	SR620 Server Raid Controller- SAS 6G/SATA 6G - Cache 1G -8 Disk- RAID0 / RAID1 / RAID10 /RAID5 / RAID6 /RAID50 /RAID60	
02310MGS	SR320C Server Raid Controller- SAS 6G/SATA 6G - Cache 1G -16 Disk- RAID0 / RAID1 / RAID10 /RAID5 /RAID50 Only Support SuperCap	

02310MXP	SR420 Server Raid Controller- SAS 6G/SATA 6G - Cache 512MB -32 Disk- RAID0 / RAID1 / RAID10 /RAID5 / RAID6 /RAID50 /RAID60	
02310MGT	SR620C Server Raid Controller- SAS 6G/SATA 6G - Cache 1G -8 Disk- RAID0 / RAID1 / RAID10 /RAID5 / RAID6 /RAID50 /RAID60 - Only Support SuperCap	
02310MXU	SR420C Server Raid Controller- SAS 6G/SATA 6G - Cache 1G -32 Disk- RAID0 / RAID1 / RAID10 /RAID5 / RAID6 /RAID50 /RAID60 - Only Support SuperCap	
02310MXS	SR420 Server Raid Controller- SAS 6G/SATA 6G - Cache 1G -32 Disk- RAID0 / RAID1 / RAID10 /RAID5 / RAID6 /RAID50 /RAID60 - Only Support Battery	
02310NKT	SR520C Server Raid Controller- SAS 6G/SATA 6G - Cache 1G -32 Disk- CacheCade2.0 -RAID0 / RAID1 / RAID10 /RAID5 / RAID6 /RAID50 /RAID60 - Only Support SuperCap	

### 1.17 Hard Disk

Part Number	Description	Remarks
02310KPR	10000 RPM - 2.5' SAS 6Gbps - 300GB HDD	
02310KPU	10000 RPM - 2.5' SAS 6Gbps - 600GB HDD	
02310LYS	10000 RPM - 2.5' SAS 6Gbps - 900GB HDD	
02310LHE	15000 RPM - 2.5' SAS 6Gbps -146GB HDD	
02310MMV	15000 RPM - 2.5' SAS 6Gbps -300GB HDD	
02310LBB	7200 RPM - 2.5' SATA 6Gbps - 500GB HDD	
02310LAY	7200 RPM - 2.5' SATA 6Gbps - 1000GB HDD	
02310MLB	7200 RPM - 2.5' NL SAS 6Gbps - 1000GB HDD	
02310KSX	MLC -2.5' SATA 3Gbps - 160GB SSD	

02310LTB	MLC -2.5' SATA 3Gbps - 300GB SSD	
02310MMS	MLC - 2.5' SATA 3Gbps -600GB SSD	
02310LAV	15000 RPM - 3.5' SAS 6Gbps -300GB HDD	
02310LAX	15000 RPM - 3.5' SAS 6Gbps - 600GB HDD	
02310MKV	7200 RPM - 3.5' NL SAS 6Gbps - 1000GB HDD	
02310MKX	7200 RPM - 3.5' NL SAS 6Gbps - 2000GB HDD	
02310MLA	7200 RPM - 3.5' NL SAS 6Gbps - 3000GB HDD	
02310LHB	7200 RPM - 3.5' SATA 6Gbps - 500GB HDD	
02310LGW	7200 RPM - 3.5' SATA 3Gbps - 1000GB HDD	
02310LGY	7200 RPM - 3.5' SATA 6Gbps - 1000GB HDD	
02310LGX	7200 RPM - 3.5' SATA 3Gbps - 2000GB HDD	
02310LHA	7200 RPM - 3.5' SATA 6Gbps - 2000GB HDD	
02310MKT	7200 RPM - 3.5' SATA 6Gbps - 3000GB HDD	
02310PSA	MLC -2.5' SATA 3Gbps - 600GB SSD - 3.5inch Handle	
02310PKS	MLC -2.5' SATA 3Gbps - 300GB SSD - 3.5inch Handle	

### 1.18 Power Supply

Part Number	Description	Remarks
02130957	AC/DC Power Module 460W 90V-264V/6~3A +12V/38A 94.0% Platinum	
98080310	AC/DC Power Module 750W 100V-240V /9.0~4.5A +12V/62.5A 92.0% Gold	
02270113	DC/DC Power Module 824W -38V- -75V/26A +12V/65A 93.5% Gold	

02130950	AC/DC Power Module 824W 100V-240V/10A +12V/65A 94.0% Platinum	
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## 1.19 Certification

No.	Country/Region	Certification	Standards
1.	China	RoHS	SJ/T 11363—2006 SJ/T 11364—2006 <b>GB/T 26572—2011</b>
2.	China	CCC	GB4943-2001 GB9254-2008(Class A) GB17625.1-2003
3.	China	China Environmental Labeling	<b>GB/T24024:2001 idt ISO14024:1999</b> HJ 2507-2011
4.	Europe	RoHS	2002/95/EC
5.	Europe	REACH	EC 1907/2006
6.	Europe	WEEE	2002/96/EC
7.	Europe	CE	Safety: IEC 60950-1:2005 (2nd Edition) + A1:2009 and/or EN 60950-1:2006 + A11:2009 + A1:2010 + A12:2011  EMC: EN 55022:2010 CISPR 22:2008 EN 55024:2010 CISPR 24:2010 ETSI EN 300 386 V1.5.1:2010 <b>ETSI ES 201 468 V1.3.1:2005</b> <b>IEC61000-3-2:2005+A1:2008+A2:2009/EN 61000-3-2:2006+A1:2009+A2:2009</b> <b>IEC 61000-3-3:2008/EN 61000-3-3:2008</b>

8.	Russia	GOST	GOST R IEC60950-1-2009 GOST 26329-84 GOST R 51318.22-2006 GOST R 51318.24-99 GOST R 51317.3.2-2006 GOST R 51317.3.3-2008
9.	Turkey	CE	Safety: IEC 60950-1:2005 (2nd Edition) + A1:2009 and/or EN 60950-1:2006 + A11:2009 + A1:2010 + A12:2011  EMC: EN 55022:2010 CISPR 22:2008 EN 55024:2010 CISPR 24:2010 ETSI EN 300 386 V1.5.1:2010 ETSI ES 201 468 V1.3.1:2005 IEC61000-3-2:2005+A1:2008+A2:2009/EN 61000-3-2:2006+A1:2009+A2:2009 IEC 61000-3-3:2008/EN 61000-3-3:2008
10.	America	FCC	FCC CFR47 Part 15:2005 Class A
11.	America	NTRL-UL	UL 60950-1, 2nd Edition, 2011-12-19 (Information Technology Equipment - Safety - Part 1: General Requirements)
12.	America	Energy Star	ENERGY STAR® Program Requirements for Computer Servers Eligibility Criteria V1.1
13.	Canada	IC	ICES-003:2004 Class A
14.	Canada	NTRL-UL	CSA C22.2 No. 60950-1-07, 2nd Edition, 2011-12 (Information Technology Equipment - Safety - Part 1: General Requirements)
15.	Australia	C-tick	AS/NZS CISPR 22:2009
16.	Japan	VCCI	VCCI V-3:2012
17.	Kingdom of Saudi Arabia (KSA)	SASO	IEC 60950-1: 2005 (2nd Edition) + A1:2009 EN 60950-1:2006+A11:2009+A1:2010 + A12:2011
18.	Nigeria	SONCAP	IEC 60950-1: 2005 (2nd Edition) + A1:2009 EN 60950-1:2006+A11:2009+A1:2010 + A12:2011
19.	Global	CB	IEC 60950-1:2005 (2nd Edition); Am 1:2009

