# L Ñ

i H à Ì j -2020

i H à Ì a ˜ , [ ˝ Óæ ˜ k w + ¸ ô ˜ %† ä Ó o

Ù fl ß ¶ Ó ¸ , [ Õ

Ø [ , Ó ¤ ¸ D } $ ø T ´ fl ¸ ô ˜ kòçÓ ¤ Ì fl " ¢ 0 $ ø òq Õ - Ł ' ~ C âkØ [ - 1 '

~ ` ' o c k 4 U ä Õ ¯ kØ [ U + D } %† ? 4 † k U k - " ¢ 0 q ˜ æ c k + 4 k

Ø [ n 0 Þk x ‹ Óy ¶ k k ¯ § æ Ó + D } o

## — l ¿ 6

- ¸ D } A · D } k ¤ ÿt Œ ¸ k ¥ D } U k - Ł ¿ t k ¤ _ Õ Ñ k U ‹ } ï + ¿ t J H U g R o
- 4 : ˇ ¶ l g k • 1 : ˇ y Ù Õ ØV µ ] 3 G N " F Õg ª u ¿ Œ V ho x ø Ù fl } G F Õ k 3 G N " k ¿ ) • À ÑF / ¿ o
- ¿ Õ x åk V x ¤ Õ £ q y åo
- : ˇ … ÑU Y * web µ … Ñ7 Z ÷ ^ … ÑŒ + N 7 Ñ … p g … Ñk ª4 ß / ÿO n ÔW ß / ª n Ô Ø q » † g ß / oðð4ðy & q À y ' ÷

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# 1 C | O

## 1.1 C | ^ O

: , XÝ ˝ RG-CSXX00PS ' ç : ˇ ´ 9 Intel Purley u V G %† . ä¯ E Ł ˇ o u 4 h 6 Ô6 o o U ýJ Ôò k J 14nm W + òŁ o ´ Ý U 24 DIMM DDR4 k u 4 ECC Registered C Ú_ ä· ˜ É o

: , ŸXÝ RG-CSXX00PS ' ç : ˇ ø µÆ U 12 g 2.5 Œ 3.5 h SATA ‰ V # F & & y o U Ł ä¯ fi àM k G n ÿl ¯ z Æ / Ł BMC/KVM / Ì k º ˇ òO òk , y i O òo s òo Ù ! yo Õ ¸ òo ‰ O òY C u 4 IPMITool W ÀG x X q o

: , ŸXÝ RG-CSXX00PS ' ç : ˇ U Ł U ‰ V # V $ k u 4 1+1 É k u 4 PMBus k 80Plus e P y äôE | äk D } ¾ - Œ o D } öF E o

## 1.2 C | P Æ ? d

| † C \| „ Y | CS6000PS | CS3000PS |
|---|---|---|
| àØ | 2 x FCLGA3647 V | |
| | 2 x Intel Xeon Casecade Lake CPU | 1 x Intel Xeon Casecade Lake CPU |
| U ¨ V $ | | |
| ^ | | |

| | | |
|---|---|---|
| 6 | +e$ÀuLÌ 7/j& | ! h = Þ<br>+e$À +O uLÌ ¨ h Þ4Ø¢<br>+e$À(æ1 2 h ¨4Ø¢L &æ |
| 7 | 3+5 E÷ 7/j & | ! h = Þ<br>CPU/ µ E÷ ¨ h Þ4Ø¢ |
| 8 | 5 5 (æ1 7/j& | 5 5 F Õ h ¨5/& L &æ F h Þ<br>5 5 F Õ 7/j& = Þ<br>* # ? Ö 7/j PHY (æ1 |

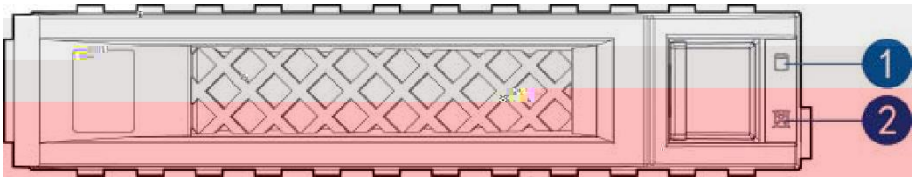
### 1.3.3 d ´

F&•iñ: 64&r^ƒ8•

| 5F ' | B* D |
|---|---|
| 1 | PSU1 |
| 2 | PSU0 |
| 3 | 7 v5 0 |
| 4 | 7 v5 1 |
| 5 | UID \| RST 9K^ |
| 6 | |

| - | B* D |
|---|---|
| 0 | SSD˙3+5 |
| 1 | SSD˙ Cache |
| 2~4 | - } |
| 5~11 | Ø - } |

**‰. - 7/j& B$ >**




| 5L - | Q =0 | B* D |
|---|---|---|
| 1 | . - #k Ø æ1 7/j & | 5/8¢ h Þ : ! h |
| | | 5/8¢L &æ Ö- F >\|B+ É#k Ø |
| 2 | . - uLÌ Õ A 7/j& | h Þ4Ò8¢ Ö- *)àuLÌ |
| | | h Þ, 8¢ Ö- ˚ } |
| | | h Þ, 8¢ ÖG} 8 RAID Rebuilding |

1.5

| DIMM Qty | CPU1_C5D0 | CPU1_C5D1 | CPU1_C4D0 | CPU1_C4D1 | CPU1_C3D0 | CPU1_C3D1 | CPU1_C0D1 | CPU1_C0D0 | CPU1_C1D1 | CPU1_C1D0 | CPU1_C2D1 | CPU1_C2D0 | CPU0_C5D0 | CPU0_C5D1 | CPU0_C4D0 | CPU0_C4D1 | CPU0_C3D0 | CPU0_C3D1 | CPU0_C0D1 | CPU0_C0D0 | CPU0_C1D1 | CPU0_C1D0 | CPU0_C2D1 | CPU0_C2D0 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | | | | | | | | | | | | | | | | | V | | | | |
| 2 | | | | | | | | V | | | | | | | | | | | | V | | | | |
| 3 | | | | | | | | V | | | | | | | | | | | | V | | V | | |
| 4 | | | | | | | | V | | V | | | | | | | | | | V | | V | | |
| 5 | | | | | | | | V | | V | | | | | | | | | | V | | V | | V |
| 6 | | | | | | | | V | | V | | V | | | | | | | | V | | V | | V |
| 7 | | | | | | | | V | | V | | V | | | | | V | | | V | | V | | V |
| 8 | | | V | | V | | | V | | V | | | | | V | | V | | | V | | V | | |
| 9 | | | V | | V | | | V | | V | | | | | V | | V | | | V | | V | | V |

CPUÖ

I u = Æ m V = ˆ G ˆ g @ çV = ˆ ; ¥ G ˆ o ¾ G P fi æ u

= < CPU ,· µ FJF ˝!Q x „>ı CPU0 ) ˜,· 0 Z µ - ¨ ‰ „>ı CPU1 ) ˜,· 0 Z,· µ - ×

< 0 µ FJF x >N“ ¿ ˝!Q „>ı 0 ˆ 1 T Z µ - } ×

= 9’ :?ôI „>ı µ 7- ,8$ k j W7-L} ~ ¨UGý,· J *)àµ # G Aö[+J8# ,8$ k j
# C§ j ˜U ¯1y uLÌ ˜

## 1.6 Ĉ –

`B. 2 RGCSXX00SP V1.XX¯3+ G` = Ñ ¸ T Z+e$À - ¨ _ 1’ ¨ _ 1 1+1 ˙ ¨ U AÔ7G} T Z 3+5 +e$À¨ Z+e$À0 WEˆ * 800W

### 1.6.1 Ĉ – P Æ

| | |
|---|---|
| N'- | |

| | | | |
|---|---|---|---|
| | | 4Ø8¢ h Þ | 3+5 +e$ÀuLÌ |

# 2 9 § G ł Ø ÔÔ

## 2.1 µ ‘

p ¼Fµ ƒ / ð ÂAô =FV F Z é ¸B- ^ ¿>û Ç C × ž ƒ 4üL;B1 b œ,º ¿ ž 0Aä >

A,º ¿ ž 0Aä # ; a v ? %73 0)æ,º §LŸ û ë >

### 2.1.1 ø — µ ‘

X ` = Ñ „>ı … fl+XE-0; ](' * † ;,· „ *AÞÖ

1 ¯B’ 6 ` = Ñ „>ı X 19 9! ( 7 öj µ×

2 ¯B’ =?– 6 ` = Ñ n5 X % $fl· ‘ Ø ¨ =?–AÙâ F ` = Ñ ¨ 1 j1Æ$5#1 ¨ H ˜

3 ¯B’ 6 ` = Ñ n5 XF /º’ $À· ‘ Ø ˜

4 ¯B’. AÔ j …G}+e3+5·! h Õ ˜

5 ¯ =?– 6Aî 7 n X>|C j µ˜ =?–0fl-p fi ,· =>ı Lb . &FP @ ¨ j! B’3+3W> V ^ $ . ¨ ~ ›> >˘ ˜

6 ¯ 6 § ^ & n XF /º Œ >|C ,· ‘ Ø Lb.à ¸ ˜

### 2.1.2 ? 6 µ

` = Ñ 0 …GýGÿE‡ W ¨B’ X \F Aî 7 & ¨# ? ;?–"r Ö

˜Ffl }N`4q0+ ØAî 7 ˜

0+ ØF \F { }B’ £L p 9+e$À¨ „ p 9+e$À…+e56 ˜

0+ ØAî 7 & ˜8# A+a T Œ … @ ¨/–! Œ ý ˜

0+ ØAî 7 & ¨ ˜# ? £> ¨Ffl }.àT7fl …7J ¨ T7 ˜

### 2.1.3 Ô) µ

F >|+e"D ý & ¨ ıN«F¥ , p X ‘,·# ?ô…?Ø3 ˜-( £ Œ ıN« § 9-( ˜,· JCt l ˜

B’ 4öð j µ_ V X% X,· ¡L ¨" †+e$ÀZ Õ ¨+e$ÀÕ = M ¨ ‘M _ V% $fl1y ˜

X „>ı } ¨?–. F p X Ôµ·3W U+e$À0 £,· }5 ¨ +O ? F & ¨?– x 7 Ý+e$À0 £ ˜

M0?– £L +e$À& ¨ 0 °?– 4öð . AÕ˜

B’ =?– ”Aî 7 n X% $fl,· ‘ Ø ¨ =?–AÙâ F Aî 71Æ µ˜

a C?ú99 = C!™.¤,º+k"J ’ %73 KC-&¡&´ L+k 11• E L Á { ¸ ¬ / ð ‰ ÂAô =FV F [H =8* ³,º Z é >

a -* Û LFPEý%¤$µ(Ÿ ‰L* Û Û@ Q Á = 8+k ¸ %73 \ ›8* ³ §LŸ >

### 2.1.4 Ô µ

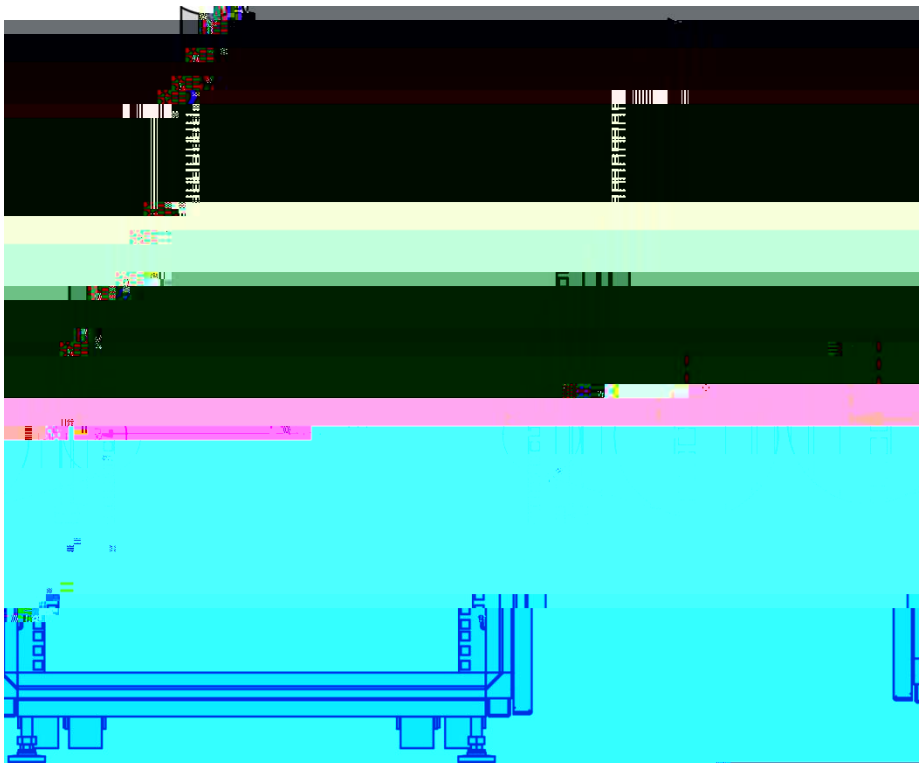
jLb! M +e.d ¨ ˜ ‘ Ö

Aî 7 œ j 8 › Õ ˜

(1) B’ fl+X 4 0ß!,· 19 9! ( 7 öj ˜

(2) 19 9! ( 7 öj # T ×Ø {L$,·L$D j 465mm ˜

. j 19 9! ( 7 öj /j ? .



˜ 3 ¯j 0ß ! Ø D /º } j L F ×˜ W ¾ 180mm ¨ D } j L ,· ° Ö? ¾ 25mm ¨ Aæ +X0“L$ W ¾155mm ×j $! Ö˙ } >L {L$,·D /º ¯ W ¾ 1000mm ×

˜ 4 ¯j ,·% F ˜ F - ¯˜7-% Cª ` = Ñ œ ƒ,· flGý?–"r ˜

˜ 5 ¯j 9 M ,· Õ1 ¨ Aæ ` = Ñ u 6 Õ ˜

˜ 6 ¯j 98 ›,·FJNþ ’ 3+5 ¨ } >L ,· LÉ• W ¾ 50% ˜

## 2.4 9 § G V ¿ x f Ô

| | |
|---|---|
| h+X § | q =Œ M 0 ˆ-( £,·+e56 ˆ5 4ï ˆ : æŒ C ˆ Ì Jª ˆ v ~ V |
| C+X § | LbM +e{ ˆ 4ïJª ˆ »4ïJª ˆ"d ƒ d »4ïJª ˆ 4ï 0 |
| > | 7+X> |
| -( £Aî 7 | PC j ˆ n/j |

G < -M6?·+^ m8 ' ü = >

# 3 C | Ø G

B-.¤AÚ Þ (5 4üL;B11b Â1 ,º » ï ¸ .¤AÚ1b Â1 vF&,º?·"x (5 % Cé >

## 3.1 , ´ G y

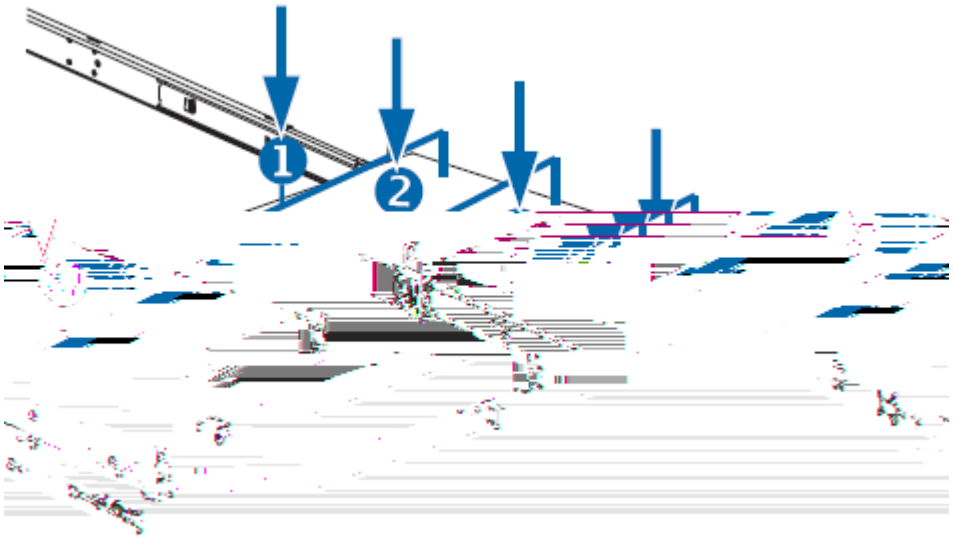
,E +a FE ˆ]E ˆµE … * ˚ &4ô@ ˜

## „>ı ,E

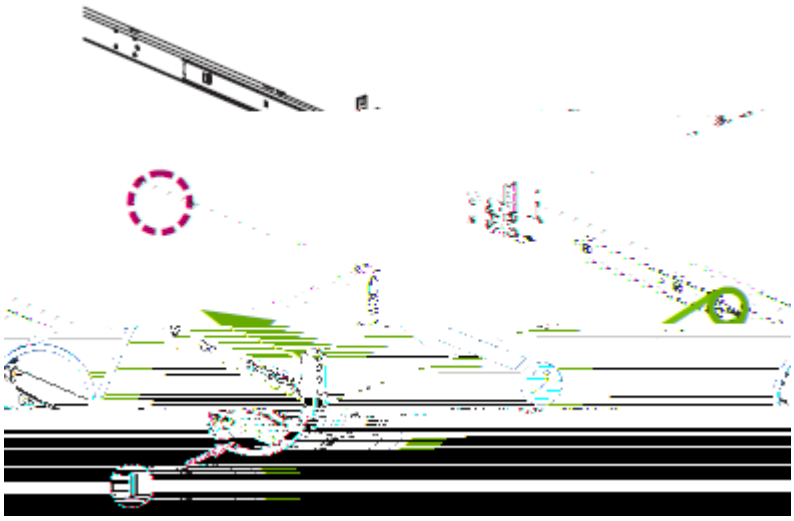
1 ˆ X j :. ˚ › ,E > _ æ „>ı }5

## 3.2 † c Ì

1 ˆ Œ§ ` = Ñ 6 ƒ T ×4 ZJœ„ > ‚E < 0 ×· ZJœ„ - } )U ¨ f > ” = Ñ A > n Ì 5 e # ¨
6 = Ñ > ˆ ] ˆ } Jœ„ ˝ ! Q ‘ ‚E ‚· Jœ„ - } ] ˜



2 ˆ 9 » . ] 7 p/j,· ‚E T × ¨ 6 ` = Ñ 9 ’ . ] 81 Ýd p/j,· Ø A Ø j ˜



3 ˆ 6 ` = Ñ Ø j > ¨ 6 ` = Ñ # ” { ‚· = Œ M * ° ( *

## 3.4 Ø f Ô L ä

˝!Q 6L¿ jG}F1+e$À4ï ‘3+5 +e$À ˜

+e$À4ï d ‘+e$À ´ ˜ ˜. AÔ +e$À d } ¨ k+e$À+e$À_ £L ,· ¯ ˜

F Õ3+5 5 5 ¨ s v 5 5 4ï j 7 ö RJ45 Õ ˜

F Õ Ø5 ¨ 7 v5 j SFP+ y ¨ y Q œ y4Ô4ï56 ˜

a B- × û µ+^LÅ pGƒF7+k$Æ4õ ¸ ƒ KC- ¿ ž Á {

## 3.5 G d Ø óÓ

` = Ñ j à„>ı … @ > ¨ X ` = Ñ :+e _ ØB’ xF >| † ; ð Ö

9 ` = Ñ „>ı X j : ¨B’ ð j > ` = Ñ ,· „>ı@ Jæ _ V( * ›9 „>ı X : ¨B’ ð ` = Ñ $ _ V+ 9Cª O,· ’ 0“L$ ¨ _ V0c * ˜

ð +e$À4ï _ V fl+XL¿ j 7G}?ôl ˜

ð j Õ _ V8 › ˜

ð ` = Ñ >G}5 4ł1 1y ƒ ‡Aî 7,·F Õ£3+ _ V! . ˜

ð +e$À4ï56Kfl Ö_ VCª O ¨Ffl }+e$À4ï 4 ⅜’3W(æ1 ˜

X „>ı } ¨?– . p X Ôµ·3W U+e$À0 £,· }5 ¨ +O ? F & ¨?– x 7 Ý+e$À0 £ ˜

# 4 n N \ m Ó

## 4.1 9 § † Ô

˘ uLÌ ÿF — j ›+e$À4ï > 9 0 £ 9JÞ ¨ ` = Ñ } M fl 7/j& ˜ —+e(æ1 7/j& ˆ. - (æ1 7/j& ¯ w = Þ¨ < & n/j n/jEˆ * ¨Nþw =E Ø ˜

. AÔ¸+e _ V! h Ö 9 +e$ÀQ ,· 7/j& ÞI> > ¸+e! h ×†+e$ÀQ & = Þ¨B' ð ¸+e _ V! h ˜ B' ð +e$À4ï d œ ×_ V fi Ø ¯˜

B'. AÔ ` = Ñ +e$ÀQ 7/j(æ1 ˜ 8¢ Ö÷e$ÀQ uLÌ ×5/8¢L &æ Ö DC "Ñ£ˆ * ×¯

B'Gýà +e$ÀQ :+e ¨ ‰!Q 0 jP…Aæ ˜

† 9 <2« » ' j <G}5 +e$ÀQ ¨ $ +e$ÀQ F >| ÔøP…Aæ _ V j+e$ÀuLÌ ˜

a ¸Ò @ ' {LÒ `@ é ¸B- D ‰ f <K6 | L 400 ¶ e e 7 ð Ž6Š31 >

## 4.2 9 § n n

˘ uLÌ ÿF — = Ñ :+e > ¨Nþw ˆ+e$ÀQ ! h , = Ñ # F TUI +|M , = Ñ # ping FJ ˜

B'F Õ= Ñ n/j ¨. AÔ= Ñ 0 j (æ1

9 ` = Ñ n/j Eˆ *U F65 X bios M ß F+|M , † Ø/j +|M # ;@ 9 9 T Z F9! • 1V ¨ B' MB µ ¨Gýà:+e _ Ø

9 ` = Ñ n/j Eˆ *U D :@ 9 y 7L &æ ¨B'Gý_Aî 7 9 Delete K^F bios ¨. AÔ3+5 - _ V X } ˜

¸Ò @ ö .¤AÚ 6 =G3"×L$NÎ¸ B- D ‰ f <K6 | L 400 ¶ e e 7 ð6Š31

## 4.3 9 § n n