

5)3 1HWZRUN 5RXWHU 8SJUDGH ± 6RXWK  
\$WWDFKPHQW %

6DPSOH , QVWDOODVLRQ & RQVWUXFWLRQ

5RXWHU , QVWDOODVLRQ & RQVWUXFWLRQ \$65 + ;  
9HUVLRQ

5HYLVLRQ +LVWRU\

9HUVLRQ

QXPE

LWFK LILQGHEODIR WR WK

9HUVLRQ			\$GVXS\$RZFRQQHFWLRQ
9HUVLRQ			LWFK LILQGH[ODIR WR WK

• - † • - •

S it hIOSI for atio .....

. CES it h.....

. s it h.....

. CE/a less s it h.....

CES it hHard areI stallatio a d#o figuratio Pro edures- Stagi gat the † arehouse .....

. CES it hHard areI for atio .....

. Asse le, i stall a d la el.....

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î X ò CES it hstagi gat arehouse o pleted h v } ( [ ] Z o l o . ] • š.....

. I stallatio a d#o figuratio at the S hool #a pus.....

. Test a d erif the orre tpo er ord o e tio of the CE.....

. #he k l o atio Statio †LAV 7or a pus et ork upgrade OVL' .....

CES it h#he klist at the S hool #a pus.....

. CES it h#he klist.....

S it hHard areI stallatio a d#o figuratio 8uideli e.....

. S it hHard areI for atio .....

. S it hI stallatio a d#

- . #at CES it h stagi gat arehouse o pleted h v} ( ( ] [ o l o . ] . š .....  
 . I stallatio a d #o figuratio at the S hool #a pus.....  
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 . #at CES it h stagi gat arehouse o pleted h v} ( ( ] [ o l o . ] . š . W.....  
 . I stallatio a d o figuratio at the S hool #a pus.....

cat3k\_caa-iosd-universalk9.SPA.152-2.E.pkg  
packages.conf

\$ I W H U W K H , 2 6 W D R I O W H Z G U F K L H Q F N E H O R Z L W H P V

% R R W D Q G U X Q W K H Q , 2 6 Q V ( W D R I O W Z B R G H ' H I D X O W

Switch# sh ver | inc INSTALL

* 1 56	WS-C3850-48P	03.06.00E	cat3k_caa-universalk9	INSTALL
2 56	WS-C3850-48P	03.06.00E	cat3k_caa-universalk9	INSTALL
3 56	WS-C3850-48P	03.06.00E	cat3k_caa-universalk9	INSTALL

7 K H I O D V K R I H D F K R I W K H V Z L W F K S P D H F N E D J U H W F F X R V Q W ' K

% R R W 9 D U L D E O H V

( D F K R I W K H V Z L W F K R W X Y D W K D E F G H D 3 % 2 2 7 Y D U L D E O H  
I O D V K S D F N D J H V Z F R R Q I D 6 M Z I L E M F O R B E V O B I F N H E D R R S W N Y D

S it h#sh oot s ste

S it h

#urre t"oot taria les:

"OOT aria le = flash:pa kages. o f;

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"oot taria les o e t reload:

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E a le"reak = o

### **1.3 2960X Fan 1 ~~stch~~**

; EDVH V\WHP PRGXOH :6 & ; 6)3	
PRGXOH	:6 & ; 6)3
PRGXO	

; EDVH V\WHP :6 & ; ZLWK PRGXOH		6)3
PRGXOH	:6 & ; 6)3	
PRGXOH	& .; 10 6)3	

## 2.2 Assembl instal and l ÄqòfPÐ 0



2.6 4500X switch staging at warehouse completed ~~an~~ official Checklist

7 KH EH ORZ WDE O H & K M F N O B Q R I I W R H E G V S H U H R G U D M G Z D I U H K R X

\$FWLRQ	&RPPD	QGG	9HULILFDWLRQ
&KHFN KDUGZ FRQILJXUDWLRQ	DVHRZ PRGX RQ	QGVXUH WKDW FRUUHFW VORW	DSSURSULDWH PR D O V KRZ
&KHFN IRU 32	67 K B Z O X U H V	(QVXUH WKDW UHSRUWHG	Q B L K O X U H G H Z / D D U H
&KHFN ,26	VKRZ YHUV	ERRR W LPDJH ERRWEODVK	VKRXOG EH RQ VOR
&KHFN WKDW ILOH ZDV FRSL SDVWHG VXFF	SUHRZRYOVSJ LWIGRZQYGDQ HVVIXOO\	VWDBGRV DQG V V KRXOG V KRZ FUISW P\ SXENH\ U R X	W B G R P D L Q V KRXOG EH V H W P R EH WUDQVSDUHQW 9/\$1V LQ WKH D Q G V V KRXOG EH FRQILJXUHG S R F N H S W R N H \ V K R X O G E H G L V S O
&KHFN WKDW FRQILJ ILOH ZDV VXFFHVIXOO\	PDKRZHUS LQ YLD 7)73 6KRZ LQW	QVSEULQWHUIDFHV FRQILJXUHG LQ V V KRZ 6WDWXV 3URWRFRO & W O M L X X U H G G R Z Z O G	69, V KR X O G E V D Q 38S 8 F K S R U W V V K R
\$VVHW WDJ V	WKRZ VQPS FRQWDFW	6KRXOG EH VHW FRQWDFW	WR \$,6' \$V VHW 7
&RQILJXUDWLRQ	FRQSV V X Q H V RU! ZU PHP	W D Y H W L W R Q F H	P R U H W R E H V X U H

2.7 Installation and Configuration at the School Campus

ORXQW WKH VZLWFRURQLQKWRUDFNVDYQGSER\$HG RU DSSU  
 ,QVHUW 2SWLF 6)3 \*%DVH 65 DV GHVLJQH  
 0DNH FRQQHFWLRQV DFFHVV VZ)WFKWW VSRWWIDHEDHDIGHH  
 0LJUDWH FRQQHFWLRQV IURP WKH WFKUHQWKH DFEHWFKVZ  
 5DGPX[ DQG WKH \$UMFD \$RQWUHQZOMHPSHURQ WREDOO QHZ  
 1RWH YLGRH FDPHUD ZLOO PLJUDWH WR DFFHVV VZLWFK  
 /DEHO WKH LQWHUFRQHFMLRWFSEODESHOILQWZ6WUDNQGDU  
 &RQQHFW ; 36 WR 836 36 WR KRXVH SRZHU  
 /DEHO WKH SRZHURR\$,6V :\$FFRUGZLQUNQGEHGLQJ 6W  
 3RZHU RQ WKH VZLWFK

2.8 Test and verify the correct power cord connection of the 4500X

8QSOXJ RQH RI WKH \$RZHN WFKUHQZDWRKZLQWKRWRBQG P  
 WKH FRPPDQG RXWSXW1 KSRVHQGLXSSDWWZMVK\$D 6W

188c4X01#sh env | be Power

Power Supply	Model No	Type	Fan Status	Inline Sensor	Status
PS1	PWR-C4KX-750AC-R	AC 750W	good	bad	n.a.
PS2	PWR-C4KX-750AC-R	AC 750W	good	good	n.a.

## 2.9 CheckInnovationStationVLAN (For camps network upgrade ONLY)

```
$IWHU ILQLVKLQJVFRRSRIUJXVUIGU DWKFRQQQRDWRLWQH/W.DDQ  
DOO WKH PDF DGGUHVZLWK \RX QHJG WQ $VDFH GL  
DFFHVV VZLWFK SRHUSRDJGZLWCKI LQRNIPMFRQ VRVDWQRQ %  
VKRZV WKH ILUWVLRQ$/DGGUHZ/KLFGKHFVHWGRWRH9F$IU
```

F ; VK PDF DGG \_ LQF

```
G\QDPLF LS LS[ DQQHJQHG RWKHU 3RU  
DI G\QDPLF LS LKSDQVQJQHG RWKHU 3R  
E G\QDPLF LS LKSDQVQJQHG RWKHU 3R  
E G\QDPLF LS LKSDQVQJQHG RWKHU 3R
```

U



		WKDW \RX RQO\ QHHG D	SDVVZRU
		DOUHDG\ ORJRQ WKH VZ	LWFK

1RWH <RX QHHG WR FKHFN DQG PDHWHU, IWOHLYH  
 QHHGHG

2SWLFDO 7UDQVPLW 3RZHU ! G%P

2SWLFDO 5HFHLYH 3RZHU ! G%P

127( ,I \RX QHHG WR VDWLJQHUHOZDERPLSXHUW  
 &DW ;; WKH IROORZLQJ FRPPDQGV







6ZLWFK ODEHOLDQFN LK/L ER RWK LQ J WIS VQDWFH HVD BK R] \$  
1 ZKHUH 31' LV WKHU VZLWFKUPRIPW \$H PVDLW WDKG 3[  
KRVWQDPH IRU WKH D E W O F N W D G E D S U G Z L M F I G W B E O U V K  
KDYH EHHQ WDJ H J H G O L B H Q W L D I Q H B D U O L H U V W H S  
\$VVHW WDJ SODFHPHQW DFFRUGLQJ WR \$,6' VSHFV  
/DEHO WKH SRZHU FDEOHV DFFRUGLQJ WR \$,6' VSHFV  
\$IWHU WKH VZLWFK L Q M D I F H V K R E O K B R Q Q L D Q G W K H U H V  
QR QHGH WR UHPRYH DQ\ SDUWV RI WKH FRQILJXUDW  
6WDUW D QHZ FRQLQR W K H H O V R I E D O W R K K & D W D W L R Q R U  
\$,6' \$VVHW 7DJ Q X P E P S J F R Q Q W D F W ' I L H O G  
;<=\$ FRQLQPS VHUYHJ F \$ Q W D F W D J \$ V V H W 7 D J « \$  
/LVW DOO WKH VZLWFK R P I E H U V D F S W H S W 7 D J  
\$VVHW7DJ @ HJR P H V E D F N K D Z L W Z K D W Z H W F K D J D L W  
WDJ LV WKH F R P S D Q G U Z H O O F R Q W D F W

&RS\ WKH UXQQRQJWFR Q W D X W D X S L F R Q I L J X U D W L R Q  
3FRS\ UXQ R W Z D B W H P

### 4.3 Cat38XXsitch

6WDJLQJ DW ZDUHKRXVH FRPSOHWHG

#### 4.4 Instal and Configuration at the School Camps:

0RXQW DOO WKHWDZLNWRHQHWKRH WDFNJVQ FSURRYGLGCHIGWER \$,6'  
 ZLWK WKH VZLWFKKZE MUK PH[P]SHUP Q VRHQWUKDF M RVS KRHQ  
 [\\]\$ PQ « VHTXHQWLDOO\  
 &RQQHFW WKH VZLWFKHWHWDFR JH DFKERUGHLQ J \$E0 HG HVRU '  
 6WDFN DQG 3RZHU 6WDFN & BEO LIG W & FRUQW DWDIEQJ D< RZ LP X  
 VHFUXH WKH FRQQWDFN RDOOFRG SRZHWV  
 , QVHUW 2SWLF 6)3WO\*H% D)3HP65G XOLHG WIRQW\*KH \$ B H FLM L H F  
 RI WKH ILUVW VZLWFKH DQG W H;ZLWRK RI WKH VWDF  
 &DEOH WKH LQWHUWZLQWFKDFR HG RQ \$,6' GHVLJQ  
 /DEHO WKH LQWHU VZLWFK FDEOHV DFFRUGLQJ WR \$,6'  
 3RZHU FRUG FRQQHFW ZLWRQK HDEO B H W W V F S R Z X W W F R D G S  
 WKH SRZHU VRXUFH  
 0') FRQQHFW DOO WR H GAZ IRW FKK SRZM DFN WR 836  
 ,') FRQQHFW DOO WR HGWZRW FKK SRZM DFN WR KRXVH S  
 0DNH VXUH WKDWUDHOODSRZOHUG FRFURV D LQJ WR \$,6' VS  
 3RZHU RQ DOO RI WKH VZLWFKHV LQ D VWDFN  
 3UHVV WKH PRGH EXWWRQ RI WKHHV ZZWWRK DQ GPERX E/O  
 VXUH WKH VZLWFKW IODVE HOK ZLWK QXPEHU  
 &RQVLVWHQW LILQGH[ DFURVV GLIIHUHQW VZLWFK  
 ,I ZKDWVXS GHWHFWWHRIDRZEPQUEDRZQLYDQGRQLXWRDYH  
 YHULILHG IURP WKH VZLWFK WKDFK HFKH W LQHW MZILDFHK V Q  
 LQGH[ E\ FRPPDQG 3VKRZ VQPS PLEGR FIVE Q L W L Q G W F K W K  
 WDEOH \RX ZLOO QHHG xsw\_findx-tablefile \$ZKH SURJYLGH WKH  
 QXPEHU RI VZLWFKH VWLQ WKKH WDFN QYUDP

AISD Whatsup Gold Active Monitor Name	Switch Interface Name	SNMP Ifindex	Notes
		SVUP Ifi A	



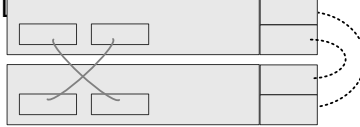




&RQQHFWLYLW :LUHOHV	7HVWLQJ	6HW \RXU ODSWRS WR FRQ	QHFV W QHWZRUN JXHVW 9HULI\ WKDW WK '+&3 DGGUHV DQG FDQ DFFHV V ZLUHOHV
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7DEOH 'DWD 6WDFN &DEOLQJ &RQILJXUDWLRQV \$,6'

1XPEHU	RRPPDQG 2XWSXW RI	'DWD 6WDFN &DEOLQJ &RQILJXUDWLRQV	LRZDQJ &RQILJXUDWLRQV
6ZLWK	QVRZ VZLWFK QHLJK	6WDFN &DEOLQJ &RQILJXUDWLRQV	FRQQHFWLRQ
VWDFN	± 'DWD VWDFN SRUW		
VZLWFK 1\$		E	7ZR 36V RQ VZLW
VZLWFKHMSLOPD VK VZLWFK QHI			
'DWD 6WDFN 6ZLWFK 3RUW			





(QWHU FRQILJXUDWZLRVFRKRGGRSDWVWVWHQWVOLLSE RIL  
VHW XS WKH YQS LFQIRDVWDLRQ\SDWR NH\

% /RDG WKH PDVWHUOFFRQWLR XVDDVLR QI SWKRHQVIZLXWFDKW L R Q  
D 9LD 86% IODVK ± UHFRPPHQGHG PHWKR G

&RS\ WKH PDVWHUFRQIEGRWJRXURXUL 86% IODVK  
,QVHUW WKH 86% IODVK WR WKH VZLWFK 86% SRUW  
&KHFN WKH GLUHFWRU\ IODVK RQ VFRQILW XUDVLRQ  
RI WKH IODVK GLUHFWRU\ IODVK RQ VFRQILW XUDVLRQ  
ZLWK GLUHFWRU\ QDVPHG PDVWHUFRQIEGRWJRXURXUL

6ZLWFK FRS\ XVE;IODVK VWDUWXS FRQILJ  
127( '2 127 SHUIRPPHFRS\ UXQ FRPPUDQGV \HW  
3HUIRPPHFRS\ WKH &DW ;  
7KH &DW ; VKRXOG WKHFRRUJDESWORRQILJXUDWLR

E 9LD 7)73 6HUYHU

&RS\ WKH PDVWHU FRQILJXUDWLRQ ILOH WR \RXU 7  
(VWDEOLVK D FRQQHFWRQ IURP \RXU 7)73 VHUYHU  
8VH WKH EHZR FRPPDQGHWRFRQSKWUWZVWRQ ILOH

6ZLWFK FRS\ WIWS VWDUWXS FRQILJ  
127( '2 127 SHUIRPPHFRS\ UXQ FRPPUDQGV \HW  
3HUIRPPHFRS\ WKH &DW ;  
7KH &DW ; VKRXOG WKHFRRUJDESWORRQILJXUDWLR

& 6WRUH WKH \$,6' \$VVHW 7DJ QXPEHU DW WKH VZLWFK F

\$IWHU UHERRWLQJFRZQW XQDWKLRQFRPPDQGHWR \$,6' \$  
7DJ QXPEHU LFRPPDQGHWRPILHOG

252P2X61(config)# snmp-server contact [#AssetTag#]

2Q WKH &DW ; FFRS\QWIKJXWDXQQRQJWBDWVLRQXS FR

## 5.2 Cat2960X Staging at warehouse comp *Unofficial Checklist* t

(official checklist is performed and captured at Campus)

\$FWLRQ	&RPPDQG	9HULILFDWLRQ
&KHFN IRU 326	VKRZ YHUV	LERRW LPDJH VKRXOG EHWKH RQ
&KHFN ,26	VKRZ YHUV	/\$1 ,QVWDOO VKHHW

&KHFN WKDW	SUKRZRYQWISJ	V97BGRV	DLQ VKRXOG EH VHW	PR
ILOH ZDV FRSL	WIGRZQYGDQ	EH WUDQVSDUHQW	9/\$1V LQ WKH	
SDVWHG VXFF	HVVIXOO\	DQG V VKRXOG EH FRQILJXUHG		
	VKRZ FU\SWR	FNUHSWR NH\ VKRXOG EH GLVSO		
	P\XENH\	URXWSXW		

&KHFN WKDW POKRZHS LQWKBUHMKRXOG EH RQH PDQDJHP  
FRQILJ ILOH ZDV FRSLHG LQWHUIDFH VHW XS RQ 9/\$1  
VXFFHVVIXOO\ YLD 7)73  
6KRZ LQW VWDWXV

6KRZ LS GHIDXOW  
JDWHZD\

)RU \$UXED \$3  
 FRQILJ GHIDXOW LQWHUIDFH J  
 FRQILJ L<QW>never port is appropriate>  
 FRQILJ PDLFUR DSSO\ DFFHVN DSDropGCHWF  
 )RU &LVFR \$3  
 FRQILJ GHIDXOW LQWHUIDFH J  
 FRQILJ L<QW>never port is appropriate>  
 FRQILJ PDLFUR DSSO\ ROG E.g. AN-Fare, DrSp, loGubWF

:ULWH WKH FRQILJ PDLFUR DSSO\ DFFHVN DSDropGCHWF

#### 5.4 Test, Measure, and Document Opic per I

&DW ; 6ZLWFK &KHFNOLVW DW WKH 6FKRRO &DPSXV  
 &DSWXUH WKH FRQILJ PDLFUR DSSO\ DFFHVN DSDropGCHWF (PDLO W  
 ZDQDQDO\VWV#DXVWLQLVG RUJ

&DW V 6ZLWFK &KHFNOLVW

	\$FWLRQ	&KHFN	
VKRZ YHUVLRQ		'RFXP WQW B XJWSX W2 6+ DHRQ	LRQ DQ
VK YODQ		WKH VZLWFK	
VK LQWHUIDFH V VW SWXW	&KHFN	RXWSXW 9/\$1V LQ WKH V	
VK LQWHUIDFH WUXQN		FRQILJXUHG	
VK FGS QHLJKERU		6Z & KHFNSRXW HFWKRXOG KDYH	
VK UXQ _ LQF	FRQWDFW	GHVFULSWLRQV	
VK UXQ _ LQF	VQPS VHUY	HU FRQWDFW VQPSLQFLOXGHV	
ORFDWLRQ		7DJ 1XPEHU	
		VQPS VHUYHU ORFDWLRQ' LQF	
		, FODVVURRP DQG FODVVURR	
		QXPEHU	
&KHFN 2SWLFD OOHYHOV	'RFXP WQW B XJWSX W2 6+ DHRQ		
WUDQVFHLVDNH VXUH WKH *			OLQNV 2SV
66+ WR WKH GHYLFH		/HYHOV DUH ZLWKLQ WKH QRUP	
		&KHFN FH BWFK &KWU HUBWFK	

