

Connect to the Serial Port on the back of the KSU.

Use these settings: **38400, N, 8, 1**

When connected, type in **at-debug** and then hit enter.

You will now be able to enter these commands.

IP Office AT-DEBUG Commands

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Command	Parameter	Definition
upgrade	-	Erase Code and Reboot/reload
reboot	-	Reboot
erasenvconfig	-	Erase NV config
eraseconfig	-	Erase config
qbf	-	Send Fox messages to WAN and MGR
call	(service)	Call the specified service
fecpram	-	List FCC parameter data
fecstats	-	List FCC traffic statistics
fecrmon	-	Enable/disable FCC RMON counters
fectrace	-	Enable/disable FCC debug tracing (needs debug build)
fecrestart	-	Restart FCC transmitter
pcmcia	-	Show current PCMCIA status
crc6	-	Display CRC-6 error count
ti	-	Send cmd to Ti/Telogy stack
atmcms	-	Dump status of CM ATM lines
atmcfg	(lineid)	Change configuration of an ATM trunk
atmdump	(lineid)	Dumps configuration of an ATM trunk
atmdiag	(on off)	Turn on/off the ATM diagnostic logging
echo	(on off)	Turn on/off the ATM Echo cancellation if enabled in configuration
atm4trunks	-	Dump status of ATM4U trunks
atm4lin	(a b c d)	Show/change status of ATM4U lines
dspatver	(a b c d)	Report version number of ATM4U card in Slot A/B
dspatmem	(a b c d)	Read/Write to ATM4U card in Slot A/Bs DSP memory

dspathpi	(a b c d)	Thrash or stop HPI accesses (to DSP) for ATM4U card in Slot A-D
atm4usc	(a b c d)	Send Vinetic Short Command to ATM4U card in Slot A-D
atm4urmb	(a b c d)	Read Vinetic Mailbox command from ATM4U card in Slot A-D
atm4uwmb	(a b c d)	Write Vinetic Mailbox command to ATM4U card in Slot A-D
atm4ucram	(a b c d)	Write Vinetic CRAM Data to ATM4U card in Slot A-D
atm4ulow	(a b c d)	Set ATM4 Vinetic processor in low power mode in Slot A-D
atm4uhigh	(a b c d)	Set ATM4 Vinetic processor in high power mode in Slot A-D
use_diag_cmd	-	use diag commands
conferdsp	-	Read current status of Conferencing DSP
conferdspmem	-	Read/Write to Conferencing DSP memory
conferdspch	-	Compare DSP Image words against what is stored in DSP memory
dspt1a/b	-	Read/Write to T1 card in Slot A/B's DSP memory
switchdump	-	Dump all the registers on the Ethernet Switch
switchport	-	configure one of the PHY ports on the switch
switchread	-	Read a register on the Ethernet Switch
switchwrite	-	Write a register on the Ethernet Switch
vcmread	-	Read an SPI register on VCM ethernet switch
vcmwrite	-	Write an SPI register on VCM ethernet switch
vcmport	-	configure one of the PHY ports on the VCM switch
phydump	-	Dump all the registers from the PHY connected to the LAN2/WAN port
phyread	-	Read register from PHY
phywrite	-	Write register on PHY
lanstatus	-	Display the connection status of the external LAN/WAN links
gnd	status reset quiesce rx rxt	Perform G&D SmartCard commands (e.g. "gnd speed")

	flush cmd token features speed	
bri	regs dsp isac lock	Perform BRI commands (e.g. "bri dsp")
priu	dspver dspqueues dsptrace dsupload dspmemp dspmmsgwr dspmmsgrd dspstatus alarmsim egram	Display DSP version information Display DSP message queue information Enable/Disable DSP debug trace Load and run DSP image DSP memory edit DSP message queue test write DSP message queue test read Print DSP statistics Run alarm simulations Receiver equalizer RAM modifications
DVP	RDCMD RDDATA PAGE PREAD PWRITE DREAD DWRITE REVCODE MEMTEST QSAPP INIT CLOSE DOPTS POPTS DDATA PDATA CODEC RING DIAL MWAIT STATUS [C] TEST GAIN POWERETR LLC REGS PROF DPL	read a command/control register read a data register select a memory page perform a paged read perform a paged write perform a direct read perform a direct write read the revision code perform a memory test run the Legerity QuickStart application initialise the subsystem close down the subsystem display device options display port options display device data display port data set the codec law for a port cause a line to ring dial a number use the message waiting indicator display status runs a test on a port set line gains apply power to an ETR phone execute a low-level command dumps registers for a port display a profile set the DTE print level

ipstats	-	Dump IP/ICMP/TCP/UDP stats
ivm-help	-	Embedded Voicemail Commands
ivm-mbox-show	-	Show mailboxes
ivm-mbox-show	nnn	Show contents of specified mailbox
ivm-mbox-clear	nnn	Clear specified mailbox
ivm-msg-del	nnn dd/dd/dd hh:mm:ss	Delete specified message
ivm-msg-del-all	-	Delete all voicemail messages
ivm-flash-del-all	-	-
ivm-limits-max-nummsg-show	-	-
ivm-limits-max-nummsg-set	xxx	-
ivm-limits-max-mstime-show	-	-
ivm-limits-max-mstime-set	xxx	-
ivm-status-show	-	-
ivm-monitor-toggle	-	-