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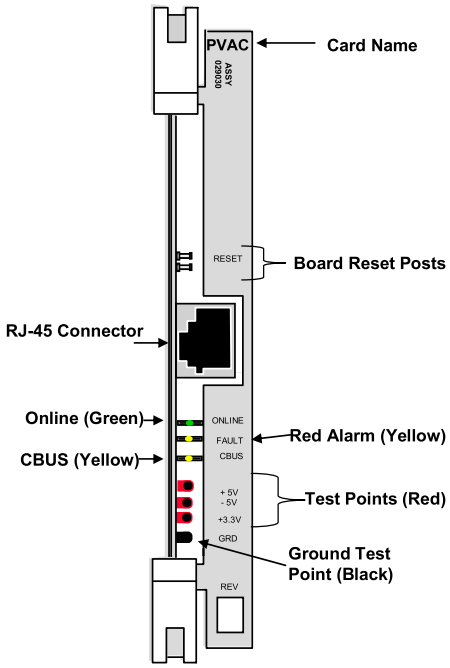
Prime Voice Analog W/Compression (PVA-PVAC)

Prime Voice Analog with Compression

Provides four channels of voice connectivity between external equipment and the Promina.

Supports 7 different hardware configurations and 5 different signaling options for flexibility.

It may support world wide protocol with **A-Law** or **Mμ-Law** companding in the Analog-to-Digital conversion process.



The PrimeVoice Analog (PVA) and PrimeVoice Analog with Compression (PVA/C) modules are two analog-to digital voice cards available for Promina nodes. Both module types provide four channels of voice connectivity between external equipment and the Promina platform and support worldwide protocols.

The PVA/C modules convert digital data to analog data and analog data to digital data. The actual A/D - D/A conversion, signaling, and other voice application features are implemented on the various PVA/C rear interface cards. Both have onboard echo cancel and allow interface to application specific rear cards; such as FXS, FXO, E&M (2 & 4 Wire).

A-Law..European Standard, Mu-Law..American Standard Companding: In telecommunication, signal processing, and thermodynamics, **companding** (occasionally called **compansion**) is a method of reducing the effects of a channel with limited dynamic range. The name is a portmanteau of **com**pressing and ex**panding**.

Foreign Exchange Subscriber **(FXS):** delivers POTS service from the telephone switch and must be connected to subscriber equipment (telephones, modems, and fax machines). In other words, an FXS points to the subscriber. FXS interface provides the subscriber device with Dial Tone, Battery Current, and Ring Voltage. Foreign Exchange Office **(FXO):** receives POTS service from the telephone switch. In other words, an FXO interface points to the central office (switch). FXO interface provides the switch with on-hook/off-hook signals

Install Card PVA/PVAC

```
< ins car, c26

*** SLOT N1C26 CONTAINS CARD TYPE PVA.

DO YOU WANT TO INSTALL CARD N1C26?  [YES]
YES OR NO =

*** INSTALLABLE CARD TYPES ***
[ 0]  TRK            [21]  HSD-2          [42]  E3-TRK
[ 1]  LDCELP12                      [22]  TMCP           [43]  VCFAX-
24
[ 2]  LDCELP24     [23]  T3-TRK         [44]  VCFAX-12
[ 3]  CX           [24]  QXP            [45]  PX-3
[ 4]  URD          [25]  TK64           [46]  TRK-3
[ 5]  QSD          [26]  I422-TRK       [47]  ECHOX
[ 6]  INTU-560     [27]  QASD           [48]  APX
[ 7]  TRK-2        [28]  HDVC24         [49]  SX-2
[ 8]  HSD          [29]  HDVC12         [50]  PLM
[ 9]  DS-1         [30]  QAVP           [51]  PPM
[10]  USD          [31]  BX             [52]  LDCELP6
[11]  MEM          [32]  SX             [53]  HLC
[12]  QSD-2        [33]  HPC            [54]  PVEC
[13]  TK56         [34]  DS0B           [55]  PVE24
[14]  PRC          [35]  PX             [56]  HINTU
[15]  DS0A         [36]  PX-2           [57]  SCLX
[16]  VC31         [37]  PVAC           [58]  TWC
[17]  VC62         [38]* PVA            [59]  IP-TRK
[18]  DMD          [39]  LS-TRK
[19]  INTU-558     [40]  SATRK
[20]  X50          [41]  PX PLUS

NOTE: '*' MARKS DEFAULT SELECTION.
ENTER CARD TYPE FOR CARD N1C26?  [PVA]
CARD TYPE =

*** PVA CARD N1C26 HAS BEEN INSTALLED.

*** PVA CARD N1C26 CONFIGURATION PARAMETERS ***
[ 0]  NUMBER OF PORTS PER BUSYOUT = 4
[ 1]  HUNT GROUP OPTION = ENABLED
[ 2]  MIN EC ERL = 6 DB
[ 3]  NLP ENABLED = DISABLED
[ 4]  COMPANDING METHOD = MU LAW
[ 5]  COUNTRY CODE FOR FXO IMPEDANCE = U.S.A. 600 OHM

ENTER PARAMETER INDEX (OR HIT RETURN TO CONTINUE)
PARAMETER INDEX =

ARE ALL PARAMETERS CORRECT?  [YES]
YES OR NO =

*** PVA RECORD UPDATED

*** PVA CARD N1C26 CONFIGURATION (CPU: NONE) ***
   DB STATUS: DISABLED *        SLOT TYPE: PVA
   INSTALLED PORTS: 0          PORTS/BO CYCLE: 4

   STATE: OFFLINE
DO YOU WANT TO ACTIVATE CARD N1C26?  [YES]
YES OR NO =

*** PVA CARD N1C26 HAS BEEN ACTIVATED.

*** COMMAND COMPLETE ***
```

[0] Number of Ports Per Busyout
Value is from *1* to *4* (default).
This parameter specifies the number of ports that will be busied out and unbusied in each busyout cycle for trunk busyout conditions.

[1] Hunt Group Option
Value is *Enabled* (default) or *Disabled*.
When call destination ports are busy, busied out, or deactivated, enabling this parameter allows incoming calls to be completed by routing them to alternate ports. Each port is part of a hunt group, so that calls coming into busy ports are redirected to other ports in the hunt group. Whether this option is Enabled or Disabled, the ports installed on this card can still be defined as part of a hunt group.

[2] Minimum Echo Canceler ERL
Value is *6 DB* (default), *3 DB*, or *0 DB*.
This parameter sets the difference in decibel level between far-end and near-end signals, to distinguish between the actual signals and echoes.

Card Parameters
***N.E.T.* 47**

[3] NLP Enabled
Value is ***Enabled with Noise***, ***Enabled with Silence***, **or** ***Disabled*** (default).
This parameter determines whether the Non-Linear Processor is active and, if so, whether to inject comfort noise.

[4] Companding Method
Value is ***Mu-Law*** **or** ***A-Law*****.**
Mu-Law is used in North America and Japan, *A-Law* elsewhere.
The companding method must be set consistently at both ends of the connection for PCM calls. Compressed calls can use either companding type at either end. The default selection will reflect the country code configured for the node.

[5] Country Code for FXO Impedance
Values are shown in Example 3:

Example 3 FXO Impedance Menu
*** Country code for FXO Impedance ***
[0] Canada 600 Ohm [3] U.K. [6] U.S.A. Complex
[1] Canada 900 Ohm [4]* U.S.A. 600 Ohm [7] User-Specified
[2] Canada Complex [5] U.S.A. 900 Ohm

Query Card PVA/PVAC

< q car,c26

ENTER DISPLAY MODE (DETAIL OR SUMMARY) [D]
DISPLAY MODE (D OR S) = d

*** PVA CARD N1C26 CONFIGURATION (CPU: C11) ***
DB STATUS: ACTIVE SLOT TYPE: PVA
INSTALLED PORTS: 1 PORTS/BO CYCLE: 4

STATE: OFFLINE
*** HIT RETURN TO CONTINUE (ESCAPE TO QUIT) ***

*** COMMAND COMPLETE ***

Highlighted above are certain things to look for when querying this card, this query will aid you in troubleshooting.

Install Port PVA/PVAC (1)

```
< ins port, c26p0

PORT N1C26P0 IS TYPE 'PVA'.
DO YOU WANT TO INSTALL THIS PORT?  [YES]
YES OR NO =

DO YOU WANT TO COPY THE CONFIGURATION OF AN EXISTING PORT?  [NO]
YES OR NO =

*** PVA PORT N1C26P0 CONFIGURATION PARAMETERS ***
[ 0]  ORIG/ANS MODE = ANS-ONLY
[ 6]  CALL ANSWER SIGNAL = DEMAND
[13]  TIMING OPTIONS (DISCONNECT=300 MS;UNBUSY GUARD=0 MS;)
[21]  SIGNALING PROTOCOL = PLAR
[27]  HUNT GROUP = NONE
[28]  REVERSE BIT POL (A=FALSE; B=FALSE)
[29]  TX TLP = 0.0 DB     RX TLP = 0.0 DB
[48]  ECHO CANCELER = ENABLED
[49]  ECHO CANCELER TONE DISABLER = DISABLED
[61]  AGC = DISABLED
[62]  POST FILTER = ENABLED

ENTER PARAMETER INDEX (OR HIT RETURN TO CONTINUE)
PARAMETER INDEX = 0

*** ORIGINATE/ANSWER MODES ***
[ 0]* ANS-ONLY
[ 1]  ORIG-ONLY
[ 2]  ORIG/ANS

NOTE: '*' MARKS DEFAULT SELECTION.
ENTER ORIGINATE/ANSWER MODE FOR PORT N1C26P0
ORIG/ANS MODE = 2

ENTER DESTINATION PORT
DESTINATION PORT ID = n2c6p0

ARE YOU SURE YOU WANT TO SPECIFY THIS DESTINATION PORT?
[NO]
YES OR NO = y

*** PVA PORT N1C26P0 CONFIGURATION PARAMETERS ***
[ 0]  ORIG/ANS MODE = ORIG/ANS
[ 1]  DESTINATION PORT = N2C6P0       (DEST CARD IS NOT
INSTALLED)
[ 2]  CALL/PREEMPT PRIORITY (CALL= 7; PREEMPT= 7 )
[ 3]  SECONDARY CALL/PREEMPT PRIORITY (CALL= 7; PREEMPT= 7
[ 6]  CALL ANSWER SIGNAL = DEMAND
[ 7]  CALL ORIG SIGNAL = DEMAND
[ 8]  TIME-OF-DAY RESTRICTION = NONE
[ 9]  ROUTING OPTIONS (TER=DON'T CARE; ENC=DON'T CARE;
FIB=DON'T CARE ATM=DON'T
CARE SCLX=DON'T CARE)
[12]  SPEECH COMPRESSION MODE = PCM
[13]  TIMING OPTIONS (DISCONNECT=300 MS;UNBUSY GUARD=0
MS; MAXIMUM BREAK=72 MS; )
[14]  BUSY OUT OPTION = NO BUSYOUT
[20]  SELECTED PATH = NONE
[21]  SIGNALING PROTOCOL = PLAR
[22]  CALL FAIL SIGNAL = NO
[27]  HUNT GROUP = NONE
[28]  REVERSE BIT POL (A=FALSE; B=FALSE)
[29]  TX TLP = 0.0 DB     RX TLP = 0.0 DB
[44]  DATA FLOW DIRECTION = TWO WAY CALL
[48]  ECHO CANCELER = ENABLED
[49]  ECHO CANCELER TONE DISABLER = DISABLED
[61]  AGC = DISABLED
[62]  POST FILTER = ENABLED
[80]  MAX LINK COST = 0
```

[1] Destination Port
Value is ***a Port ID.***
This parameter is required for originate/answer and originate-only ports and specifies the port ID of the destination port.

[2] Call/Preempt Priority
Value is from ***0 (lowest) through 15 (highest)***. Default is *7* for Call Priority and 0 for Preempt Priority.

[3] Secondary Call/Preempt Priority
Value is from ***0*** **(lowest) through** ***15*** **(highest)**. Default is *7* for Call Priority and 0 for Preempt Priority.

[6] Call Answer Signal
Value is ***Demand*** **(default) or** ***Permanent.***
This parameter specifies the signal required to answer a call.

[7] Call Orig Signal
Value is ***Demand*** **(default) or** ***Permanent*****.**
This parameter specifies the signal required to generate a call. Permanent calls are continually attempted regardless of any external activation. (A path through the network is dedicated between origination and destination ports). Demand calls are assigned bandwidth when the port goes off-hook and then unassigned when the port goes on-hook.

[8] Time-of-Day Restriction
Values are ***Time*** **values or** ***None*** **(default).**
The time-of-day restriction specifies a start and end time for the port. This parameter is used when the call can only originate during a specific time of day. The call is torn down when the time has elapsed. With originate-answer ports, the destination port is not affected.

[9] Routing Options
Values are ***routing setting for TER, ENC, FIB, ATM, and SCLX.***
These routing parameters determine which paths in a Promina network can be used for a call. They appear only for originate-answer and originate-only ports. Promina trunks can be designated as terrestrial routes, encrypted routes, fiber, ATM routes, and SCLX routes. The Routing Options parameters determine which trunks are acceptable for calls using this port. The possible values for each parameter *Don't Care* (default), *Prefer Not*,
Preferred, and *Required.*

[12] Speech Compression Mode
Values are ***presented in a submenu shown in (see Example 11).***
This parameter is used to select the voice compression mode. Through voice compression, the server modules increase the number of calls on trunks by compressing the bandwidth of the calls.

[13] Timing Options
This parameter lets the user select the timing option used by the port from the following values:

- **Disconnect** Determines how long the receiver must be on-hook to indicate a call hang up. Options are 20 through 1500 ms. The default is 300 ms.
- **Wink** Specifies the time that can elapse between an off-hook signal and the next on-hook signal without the node registering an off-hook followed by an on-hook. Varying the length of wink duration can make the DS1 port compatible with a wider range of PBXs and allow it to work with delay dial circuits. Options are 360 ms (default) to 1100 ms and can be adjusted in increments of 24 ms.
- **Maximum Break** This option specifies how the node interprets DP digits. For devices that dial slower than the optimal 10 pulses per second, this option can be extended so that the node can recognize dial pulse digits coming in between 7.5 and 10 pulses per second.

- **Unbusy Guard Duration** This option allows a busied-out port to accept an incoming call if the call originated from its true destination and is not a hunted call. The busied-out port drops its seizure toward the PBX, freeing the trunk, but reseizes the port after a duration period equal to the specified unbusy guard time for the port. Options are 150 to 1550 ms and can be adjusted in increments of 100 ms. The default is 0, indicating the option is not used.

- **Real Time Wink** This option is displayed for 4-wire E&M ports. When enabled, the node does not process a wink signal generated from this port as an atomic signal. The node regenerates the wink signal by following the leading and trailing edges of the wink. When the option is disabled, the node receiving the wink captures the entire wink signal. The far-end voice port is instructed as to how to regenerate the wink as an atomic signal. The advantage of this parameter is faster wink processing. The disadvantage is that the wink regenerated may not match the wink presented to the node at the answer port.

[14] Busy Out Option
Values are shown below. Default is ***No Busy Out.***
This parameter provides options for signaling the PBX when voice calls cannot be routed through the private network because:

- All possible links are down or saturated.
- Destination ports are not functioning properly.
- Insufficient bandwidth in the network.

This feature is useful in networks that perform both permanent bandwidth allocation and demand-assigned bandwidth allocation.

[20] Primary Selected Path
Value is ***None or the selected path.***
This parameter allows the user to override the system and specify the path the call takes through the network. This provides for full end-to-end management of the call path from the originating node, through the transit and destination domains, all the way to the destination node. When creating a path, confirm that it meets the port's routing attributes. Up to 255 selected paths can be created. Only one path can be specified per port, but specified paths can be shared among ports.

[21] Signaling Protocol
Values depend on the rear-interface-card type, See below.
This parameter specifies the voice signaling options that support the protocols associated with the three different types of rear interface card. This software option eliminates installing conversion hardware to translate FX signaling to E&M signaling.

[22] Call Fail Signal
Value is:

- ***On Hook***
- ***Winkback***
- ***Glareback***
- ***Glareback Only On Destbusy*.**

Allowable value and default depends on interface card type.

This parameter is available for originate and originate/answer ports. *Call Fail Signa*l does not apply to FXO LPSTRT ports. Select one of four actions that can occur when a call fails in the network. The options available depend on the protocol being used, and are as follows:

- ***On Hook*** Returns audible Fast-Busy to the caller with no accompanying wink signal.
- ***Winkback*** Returns audible Fast-Busy with a wink signal. The purpose of the wink is to inform the PBX that a call path is established. The voice path is completed through the PBX and the caller will be connected to the fast busy tone as an indication of a failed call. *Winkback* is only available for E&M ports, and does not apply to FX0 LPSTRT, FX0 GDSGTRT, FXS GDSTRT, and Transp Perm ports.
- ***Glareback*** If a call fails or sends an off-hook signal to the originating PBX for six seconds, followed by an on-hook signal. During the six-second off-hook signal, if the call goes on-hook, the node immediately outputs an on-hook signal.
- ***Glareback Only On Destbusy***
  Occurs when the originating PBX only if the call fails because the destination is busy (the destination port is either busied-out not idle, off-hook, or sending a fast busy tone).

[26] Selected Path Required
Values are: ***Yes* or *No* (default)**
This parameter specifies whether the selected path is required.

[27] Hunt Group
Value is ***Group ID. Default is 0.***
The Hunt Group parameter is the specified port's group number. The number 0 in this field indicates that the port does not belong to a hunt group. Valid Hunt Group numbers are 1 through 31. For more information about Hunt Groups, see Chapter 1.

[28] Reverse Bit Pol (A; B)
Value is ***True* or *False* (default).**
This parameter requires that both A- and B-bit polarities be specified. Setting the A-bit or B-bit polarity to *True* indicates that the reverse of the described protocol has been selected. *False* indicates that the described protocol has been selected.

[29] TX TLP / RX TLP
Value is ***from +16 dB and -16 dB. Default is 0.0 dB.***
This parameter displays the transmit and receive levels (in decibels) of a PVAC card on a per-channel basis. The RX level is the signal level the port will put out at the T1, R1 outputs for example, *+5 dB* provides *more* gain than *0 dB*.
The TX level is the level that the port expects at the TR inputs. For example, setting the TX level to *-16 dB* provides *16 dB* of gain. This parameter allows the operator to adjust the decibel level of calls to match transmit and receive levels of external equipment. The range is between +16 dB and -16 dB. FXO/FXS maximum output level is 6 dB.

[44] Data Flow Direction
Value is ***Two Way Call*** **(default),** ***One Way Inbound*****, or** ***One Way Outbound.***
This parameter is used to define the direction of the data flow. This parameter is used with one-way call and asymmetric trunks (SA-TRK). Most data ports have this option, although it is not necessary for all data applications. *One Way Inbound* indicates that the data is only flowing from the originate port toward the answer port. *One Way Outbound* indicates that the data is flowing from the answer port toward the originate port. For more information on one-way and two-way calls associated with the SATRK, See the *Trunk Modules* manual.

[47] G.165 Tone Disable
Value is ***Yes*** **or** ***No*** **(default).**
This parameter does not appear if Echo Canceler is disabled or Tone Disabler is enabled. Selecting yes prompts the canceler to disable echo cancellation and residual echo control when a phase-reversed 2100 Hz tone – as specified by CCITT g.165 – is detected.

[48] Echo Canceler
Value is ***Enabled*** **(default) or** ***Disabled.***
When *Disabled* is selected, the parameters“[49] Echo Canceler Tone Disabler” and “[47] G.165 Tone Disable” do not appear.

[49] Echo Canceler Tone Disabler
Value is ***Enabled*** **(default) or** ***Disabled.***
This parameter does not appear on ports that have “[48] Echo Canceler” set to *Disabled*, selecting *Disabled* means that the echo canceler will not respond to tone disabling and will continue to cancel while a call is present. When *Enabled* is selected, “[47] G.165 Tone Disable” does not appear in the display, because the tone disabled is always G.165.

[61] AGC
Value is ***Enable*** **or** ***Disable*** **(default).**
The Automatic Gain Control (AGC) parameter provides the ability to automatically adjust the power level of a received signal. The power level of a received signal is automatically adjusted from a marginal or unacceptable value to one that is more suitable for voice or FAX applications. The AGC implemented for the PrimeVoice module is used to lower the power level of signals that come in above 0 dBm and boost signals that are being received in the -30 dBm to -20 dBm range. This parameter is displayed as an option in all

port displays except for originate-only ports having a compression method selected that is not a PrimeVoice compression method.

[62] Post Filter
Value is ***Enable*** **(default) or** ***Disable*****.**
Post Filter enabled is used to enhance voice quality to the decompressed voice-signal at end-points in the network. If a circuit is to be compressed/decompressed multiple times when tandeming, the midpoint decompressions should be performed with the Post Filter disabled at intermediate nodes. Enable the Post Filter when output is going to the listener. This ability is important in environments that use PBXs to tandem circuits together, either as a switching or a bridging function. This parameter is displayed as an option in all port displays except for originate-only ports having a compression method selected that is not a PrimeVoice compression method.

[79] PVSecure Required
Value is ***No*** **(default) or** ***Yes*****.**
PVSecure Required is used to select the compression card used for compressing this voice port. This parameter determines if a PVSecure compression card is used or not used. PVSecure Required is available only on voice ports that are origination and only if a valid LDCELP compression rate has been selected for speech compression mode.

[81] Secondary Path Select
Value is ***None*** **or the selected path.**
This parameter specifies a secondary call path.

[82] Primary Selected Gateway
Values are: ***0*** **through** ***250*****;** ***0*** **is** ***NONE*** **(default).**
This parameter specifies a primary gateway node which is referred to as the Outbound Gateway (OBGW) node. The call will try to use the newly specified OBGW node.

[83] Secondary Selected Gateway
Values are: ***0*** **through** ***250*****;** ***0*** **is** ***NONE*** **(default).**
This parameter specifies a secondary gateway node (for backup) which is referred to as the Outbound Gateway (OBGW) node. The call will try to use this secondary specified OBGW if the primary selected gateway is unavailable.

[84] Gateway Required
Values are: ***Yes*** **or** ***No*** **(default)**
This parameter specifies that the specified gateway node(s) is/are required.

Install Port PVA/PVAC (2)

```
ENTER PARAMETER INDEX (OR HIT RETURN TO CONTINUE)
PARAMETER INDEX =

ARE ALL PARAMETERS CORRECT?  [YES]
YES OR NO =

*** PVA PORT N1C26P0 HAS BEEN INSTALLED.

*** PVA PORT N1C26P0 CONFIGURATION (DEST PORT IS PORT N12C6P0) ***

*** PVA PORT N1C26P0 CONFIGURATION (DEST PORT IS PORT N12C6P0) ***
            N1C26P0      N2C6P0                  N1C26P0      N12C6P0

    CARD TYPE: PVA          NONE          SLOT TYPE: PVA          NONE
  CARD STATUS: ACTIVE     * NOT INSTLD    PORT STATUS: DISABLED   * NOT
INSTLD

ORIG/ANS MODE: ORIG/ANS                   DEST PORT: N12C6P0
   COMPR TYPE: PCM
CALL PRIORITY: 7                      PREEMPT PRTY: 7
SEC CALL PRTY: 7                  SEC PREEMPT PRTY: 7
 TERR ROUTING: DON'T CARE              TOD RESTRICT: NONE
ENCRY ROUTING: DON'T CARE              BUSY OUT OPT: NO BUSYOUT
FIBER ROUTING: DON'T CARE
  ATM ROUTING: DON'T CARE
 SCLX ROUTING: DON'T CARE              CFAIL SIGNAL: NO
MAX LINK COST: 0
                                      MINDISCTIME: 300 MS
MAXIMUM BREAK: 72 MS
CALL ORIG SIG: DEMAND
 CALL ANS SIG: DEMAND
                                      SIGNAL PROT: PLAR
SELECTED PATH: NONE
   HUNT GROUP: NONE
A BIT REV POL: FALSE                  B BIT REV POL: FALSE
 UNBUSY GUARD: DISABLED               INTERFACE TYPE: FXS
      TX TLP: 0.0 DB                  RX TLP: 0.0 DB
DATA FLOW DIR: TWO WAY CALL           ECHO CANCELER:
ENABLED
       AGC: DISABLED                  TONE DISABLER: DISABLED
 POST FILTER: ENABLED

*** PVA PORT N1C26P0 STATUS IS NOT AVAILABLE BECAUSE
    THE PORT IS NOT ACTIVE.
DO YOU WANT TO ACTIVATE PORT N1C26P0?  [YES]
YES OR NO =

*** PVA PORT N1C26P0 HAS BEEN ACTIVATED.


*** COMMAND COMPLETE ***
```

Query Port PVA/PVAC

```
< q port, c26p0

ENTER DISPLAY MODE (DETAIL OR SUMMARY)  [D]
DISPLAY MODE (D OR S) =

*** PVA PORT N1C26P0 CONFIGURATION (DEST PORT IS PORT N2C6P0) ***
            N1C26P0      N2C6P0                  N1C26P0      N2C6P0

   CARD TYPE: PVA          PVA           SLOT TYPE: PVA          PVA
 CARD STATUS: ACTIVE       ACTIVE        PORT STATUS: ACTIVE     ACTIVE

ORIG/ANS MODE: ORIG/ANS     ORIG/ANS       DEST PORT: N2C6P0
  COMPR TYPE: PCM           PCM
CALL PRIORITY: 7            7            PREEMPT PRTY: 7          7
SEC CALL PRTY: 7            7        SEC PREEMPT PRTY: 7          7
 TERR ROUTING: DON'T CARE   DON'T CARE   TOD RESTRICT: NONE        NONE
ENCRY ROUTING: DON'T CARE   DON'T CARE   BUSY OUT OPT: NO BUSYOUT   NO BUSYOUT
FIBER ROUTING: DON'T CARE   DON'T CARE
  ATM ROUTING: DON'T CARE   DON'T CARE
 SCLX ROUTING: DON'T CARE   DON'T CARE   CFAIL SIGNAL: NO          NO
MAX LINK COST: 0            0
                           MINDISCTIME: 300 MS       300 MS
MAXIMUM BREAK: 72 MS        72 MS
CALL ORIG SIG: DEMAND       DEMAND
 CALL ANS SIG: DEMAND       DEMAND
                           SIGNAL PROT: PLAR         PLAR
SELECTED PATH: NONE
  ACTUAL PATH: NONE
   HUNT GROUP: NONE         NONE
A BIT REV POL: FALSE        FALSE       B BIT REV POL: FALSE        FALSE
 UNBUSY GUARD: DISABLED                 INTERFACE TYPE: FXS
      TX TLP: 0.0 DB                    RX TLP: 0.0 DB
DATA FLOW DIR: TWO WAY CALL             ECHO CANCELER: ENABLED      ENABLED
        AGC: DISABLED     DISABLED    TONE DISABLER: DISABLED     DISABLED
  POST FILTER: ENABLED      ENABLED

*** PVA PORT N1C26P0 STATUS  ***
   CALL STATE: IDLE                 LAST DISCONNECT: HANG UP
      INPUT: ON-HOOK                SIGNAL STATE: IDLE
     OUTPUT: ON-HOOK                 BUSY STATUS: UNBUSIED
  LOOP STATUS: NULL
*** HIT RETURN TO CONTINUE (ESCAPE TO QUIT) ***

*** COMMAND COMPLETE ***
```

Highlighted above are certain things to look for when querying this port, this query will aid you in troubleshooting.

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