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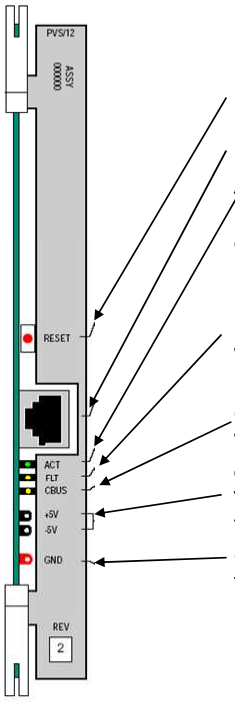
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Find the *Ribbon / Performance Technologies / Network Equipment Technologies PVS-12* at our website: *Click HERE*

Prime Voice Secure 12/24/48

PVS-12



BOARD RESET BUTTON
Press the red button to reset the card.
RJ-45 Modular Connector for *net.com* Field Service use only.
ACTIVE LED (Green)
Displays a heartbeat activity from the Digital Signal Processor (DSP) compression circuits. Lit when all DSPs are displaying heartbeat. Flashing once per second when one or more DSPs have lost heartbeat. Off at reset.
FAULT LED (Red)
When lit, indicates the card failed the start up diagnostics or the card has been reset. Remains on 10 - 30 seconds following reset.
CBUS LED (Yellow)
When flashing, the card is using the CBus. When lit, the card is dominating the CBus, and there is a malfunction.
VOLTAGE TEST POINTS (Red)
These test points are used to check power supply voltages to the card.
GROUND TEST POINT (Black)
This test point provides ground to voltage measurements.

The PrimeVoice server modules have one user-configurable parameter. All options employed by the compression channels on the card are determined dynamically at call setup. The card query display shows the current status of the card and each compression channel, and the current dynamic configuration of the compression channel. The following section gives a description of the parameters that are displayed when you query the card.

PV Combo Parameters
The PrimeVoice Combo module has two modifiable parameters:

Promina 800 Series Secure
The Promina 800 Series Secure (PVS) module is a modified version of the 12-channel Promina 800 Series Plus module. Its features and functionality are similar to the PV+/12 with the addition of support for Secure Telephone Unit (STU) coded information. STU is a U.S. Government protocol for transmission of encrypted voice and facsimile.

PVS supports two versions of the STU protocol, STU-III for domestic use and STU-IIb for deployment within NATO and other selected countries. The module is installed as a (standard) Promina 800 Series/12 module; however, a query in detail mode reveals that the unit supports STU, as shown in Example Below. *Query PVS in Detail Mode*. Otherwise, user functionality of the PVS module is identical to PV+/12.

The PVS STU-III functionality for secure phones is compatible only with other PVS cards running STU-III. The other functionality aspects of the PVS module have the same compatibilities as the current Promina 800 Series Plus functionality, except that the ***net.com*** proprietary 8 kbps and 9.6 kbps compression algorithms are not supported.

Note: *The PVS module is responsible only for handshaking and transmission of the STU data. For further description of the STU protocol, see U.S. Government documents.*

Install Card PVS-12

```
< ins car,c27

*** SLOT N1C27 CONTAINS CARD TYPE LDCELP12.

DO YOU WANT TO INSTALL CARD N1C27?  [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 N1C27?  [LDCELP12]
CARD TYPE =

*** LDCELP12 CARD N1C27 HAS BEEN INSTALLED.

*** LDCELP CARD N1C27 CONFIGURATION PARAMETERS ***
[ 0]  PVSECURE DECOMPRESSION ALLOWED = NO

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

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

*** LDCELP RECORD UPDATED

*** LDCELP12 CARD N1C27 CONFIGURATION (CPU:C11) ***
   DB STATUS: DISABLED *         SLOT TYPE: LDCELP12 (REV ?)
   SERIAL NUMBER:              NET PART NUMBER:      -
   DECOMPRESS PVS ALLOWED: NO

   ENGINE FIRMWARE REV LEVEL:     HOST FIRMWARE REV LEVEL:
   ENGINE FW CHKSUM: 0000 0000    HOST FW CHKSUM: 0000 0000
   STATE: NULL                 SUBSTATE: GET NEXT MSG
   NBR ACTIVE CHANNELS: 0        NBR OF FAILED CHANNELS: 0

*** LDCELP CARD CAPABILITIES ***
   DATA MODEM SUPPORT:
   FAX MODEM SUPPORT:
   MISCELLANEOUS SUPPORT:
   COMPRESSION RATE SUPPORT:

DO YOU WANT TO ACTIVATE CARD N1C27?  [YES]
YES OR NO =

*** LDCELP12 CARD N1C27 HAS BEEN ACTIVATED.

*** COMMAND COMPLETE ***
```

[0] PVSecure Decompression Allowed
Value is ***Yes*** **or** ***No*** **(default).**
This parameter (if set to Yes) allows for calls compressed using a PVSecure module to be decompressed on this module, if there are no PVSecure resources available to decompress the call. The support is of course limited to the compatible codecs available on that module.

Query Card PVS-12

```
< q car,c27

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


*** LDCELP12 CARD N1C27 CONFIGURATION (CPU:C11) ***
   DB STATUS: ACTIVE              SLOT TYPE: LDCELP12 (REV ?)
   SERIAL NUMBER:                 NET PART NUMBER:       -
   DECOMPRESS PVS ALLOWED: YES

   ENGINE FIRMWARE REV LEVEL:     HOST FIRMWARE REV LEVEL:
   ENGINE FW CHKSUM: 0000 0000    HOST FW CHKSUM: 0000 0000
   STATE: DOWN                    SUBSTATE: TEST IN PROGRESS
   NBR ACTIVE CHANNELS: 0         NBR OF FAILED CHANNELS: 0

*** LDCELP CARD CAPABILITIES ***
   DATA MODEM SUPPORT:
   FAX MODEM SUPPORT:
   MISCELLANEOUS SUPPORT:
   COMPRESSION RATE SUPPORT:


*** 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.

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