

# 9621 Frame Relay Access Unit Quick Reference

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This quick reference summarizes the configuration options accessed when you select *Configuration* from the Main Menu. The table references apply to Appendix A of the user's guide should you need more detailed information.

The Menu Hierarchy shows the menus or branches that appear when starting a session via an async terminal (or other VT100-compatible terminal) or Telnet session.

## Configuration Options

### Ports

Select *Ports* to configure Port 1 or Port 2.

### Network

Select *Network* to configure the DDS network interface.

### PVC Connections

Select *PVC Connections* to configure the logical connections between the network interface and the data ports.

### General

Select *General* to configure a timeout period and duration for user-initiated loopbacks and pattern tests.

### User Interface

Select *User Interface* to configure the access unit's communications port, or to configure for connection to an external modem for sending ASCII alarms and SNMP traps or for Telnet sessions.

### Alarm

Select *Alarm* to configure ASCII alarms and SNMP traps.

### Management and Communication

Select *Management and Communication* to configure the access unit so it can be managed by an NMS or Telnet terminal, and to select the appropriate protocols.

Ports	
Configuration Option	Settings <i>Default in [Bold]</i>
<b>Physical characteristics of Port 1 or Port 2</b> <b>Table A-1</b>	
Port Status	[Enable], Disable
Port Type	EIA-232, [V.35]
Port Rate (Kbps)	4.8, 9.6, 14.4, 16.8, 19.2, 24, 28.8, 38.4, 48, [56], and 64 Kbps plus 128, 192, and 256 Kbps
with V.35 & Compression enabled:	
Transmit Clock	[Internal], External
Invert Transmit Clock	Enable, [Disable]
Port (DTE) Initiated Loopbacks	Local, [Disable]
Control Leads Supported	Disable, DTR, RTS, [Both]
<b>Compression for Port 1</b> <b>Table A-2</b>	
Compression	Enable, [Disable]
DTE Type <sup>1</sup>	[Frame Relay], Bit Synchronous
Compression Ratio Alarm <sup>1</sup>	Enable, [Disable]
Connection Failure Alarm <sup>1</sup>	Enable, [Disable]
Flow Control <sup>1</sup>	[Clock], CTS, None
Short Packet Bypass <sup>1</sup>	[Enable], Disable
<b>Frame Relay for Port 1 or Port 2</b> <b>Table A-3</b>	
Link Status	[Enable], Disable
Inbound CIR Enforcement Mode	[None], Standard, Discard, Forced
Outbound CIR Enforcement Mode	Standard, [Forced], Buffered
LMI Protocol	None, [Standard], Annex D, Annex A
LMI Personality	User Side, [Network Side]
LMI Error Event (N2)	1, [2], 3, 4, 5, 6, 7, 8, 9, 10
LMI Clearing Event (N3)	1, 2, 3, [4], 5, 6, 7, 8, 9, 10
LMI Status Enquiry (N1)	1, [2], 3, . . . 255
LMI Heartbeat (T1)	5, [10], 15, 20, 25, 30
LMI Inbound Heartbeat (T2)	5, 10, [15], 20, 25, 30
LMI N4 Measurement Period (T3)	5, 10, 15, [20], 25, 30
LMI Link Status Change Alarm	[Enable], Disable
DLCI Status Change Alarm	[Enable], Disable
<b>DLCI Records for Port 1 or Port 2</b> <b>Table A-4</b>	
DLCI Number	16, 17, 18, . . . 1007
DLCI Status	[Active], Inactive
DLCI Type	[Standard], Multiplexed
CIR (bps)	0 – 64,000 [56,000]
Excess Burst Size (Bits)	0 – 999,999 [0]
DLCI Compression	Enable, [Disable]
DLCI Compression Ratio Threshold	[1:1], 2:1, 3:1, 4:1
<sup>1</sup> Not shown when Compression is set to Disable.	

Network	
Configuration Option	Settings <i>Default in [Bold]</i>
<b>Physical Characteristics of the Network</b> <b>Table A-5</b>	
DDS Line Rate (Kbps)	56, 64CC, [Autobaud]
DSU Latching Loopback	[Enable], Disable
Cross Pair Detection Alarm	[Enable], Disable
No Signal Alarm	[Enable], Disable
Out of Service Alarm	[Enable], Disable
Out of Frame Alarm	[Enable], Disable
Excessive BPV Alarm	[Enable], Disable
<b>Frame Relay for the Network</b> <b>Table A-6</b>	
Link Status	[Enable], Disable
Inbound CIR Enforcement Mode	[None], Standard, Discard, Forced
Outbound CIR Enforcement Mode	Standard, [Forced], Buffered
LMI Protocol	None, [Standard], Annex D, Annex A
LMI Personality	[User Side], Network Side
LMI Error Event (N2)	1, [2], 3, 4, 5, 6, 7, 8, 9, 10
LMI Clearing Event (N3)	1, 2, 3, [4], 5, 6, 7, 8, 9, 10
LMI Status Enquiry (N1)	1, [2], 3, . . . 255
LMI Heartbeat (T1)	5, [10], 15, 20, 25, 30
LMI Inbound Heartbeat (T2)	5, 10, [15], 20, 25, 30
LMI N4 Measurement Period (T3)	5, 10, 15, [20], 25, 30
LMI Link Status Change Alarm	[Enable], Disable
DLCI Status Change Alarm	[Enable], Disable
<b>DLCI Records for the Network</b> <b>Table A-7</b>	
DLCI Number	16, 17, 18, . . . 1007
DLCI Status	[Enable], Disable
DLCI Type	[Standard], Multiplexed
CIR (bps)	0 – 64,000 [56,000]
Excess Burst Size (Bits)	0 – 999,999 [0]

PVC Connections	
Configuration Option	Settings <i>Default in [Bold]</i>
Source Link <sup>1</sup>	Network, Port 1, Port 2, Clear
Source DLCI <sup>1</sup>	16 – 1007
Source EDLCI <sup>1</sup>	0 – 62
Destination Link <sup>1</sup>	Network, Port 1, Port 2, Clear
Destination DLCI <sup>1</sup>	16 – 1007
Destination EDLCI <sup>1</sup>	0 – 62
<sup>1</sup> Initially blank when <u>new</u> is selected; no factory default. Tab to field, and press the spacebar. The first valid value appears.	

General	
Configuration Option	Settings <i>Default in [Bold]</i>
Test Timeout	[Enable], Disable
Test Duration (min)	1 – 160 [10]

User Interface	
Configuration Option	Settings <i>Default in [Bold]</i>
<b>Communication Port</b> <b>Table A-10</b>	
Port Use	[Terminal], Net Link, Alarms
Port Type	[Asynchronous], Synchronous
<b>Port Type – Synchronous</b>	
Clock <sup>1</sup>	[Internal], External
Data Rate (Kbps)	[9.6], 14.4, 19.2, 28.8, 38.4
<b>Port Type – Asynchronous</b>	
Data Rate (Kbps)	[9.6], 14.4, 19.2, 28.8, 38.4
Character Length <sup>2</sup>	7, [8]
Parity <sup>2</sup>	[None], Even, Odd
Stop Bits <sup>2</sup>	[1], 1.5, 2
Ignore Control Leads <sup>2</sup>	[Disable], DTR
Login Required <sup>2</sup>	Enable, [Disable]
Port Access Level <sup>2</sup>	[Level 1], Level 2, Level 3
Inactivity Timeout <sup>2</sup>	Enable, [Disable]
Disconnect Time (Minutes) <sup>2</sup>	1 – 60 [5]
RIP <sup>2,3</sup>	[None], Proprietary
<b>External Device (COM Port)</b> <b>Table A-11</b>	
External Device Commands	[Disable], AT, Other
Dial-In Access	Enable, [Disable]
Connect Prefix <sup>4</sup>	ASCII text entry, Clear
Connect Indication String <sup>4</sup>	ASCII text entry, Clear
Escape Sequence <sup>4</sup>	ASCII text entry, Clear
Escape Sequence Delay (Sec) <sup>4</sup>	[None], 0.2, 0.4, 0.6, 0.8, 1.0
Disconnect String <sup>4</sup>	ASCII text entry, Clear
<b>Telnet Session</b> <b>Table A-12</b>	
Telnet Session	Enable, [Disable]
Login Required	Enable, [Disable]
Session Access Level	[Level 1], Level 2, Level 3
Inactivity Timeout	Enable, [Disable]
Disconnect Time (Minutes)	1 – 60 [5]
<sup>1</sup> Only shown when Port Use is set to Net Link. <sup>2</sup> Only shown when Port Use is set to Terminal. <sup>3</sup> Only shown when Inactivity Timeout is set to Enable. <sup>4</sup> Only shown when External Device Commands is set to Other.	

Alarm	
Configuration Option	Settings <i>Default in [Bold]</i>
ASCII Alarm Messages	COM Port, [Disable]
Alarm & Trap Dial-Out	Enable, [Disable]
Trap Disconnect	[Enable], Disable
Call Retry	Enable, [Disable]
Dial-Out Delay Time (Min)	1 – 10 [5]
Alternate Dial-Out Directory	[None], 1 – 5

Management and Communication	
Configuration Option	Settings
<b>Communication Protocol</b>	
Node IP Address	[000.000.000.000] – 255.255.255.255, Clear
Node Subnet Mask	[000.000.000.000] – 255.255.255.255, Clear
Communication Port IP Address	[000.000.000.000] – 255.255.255.255, Clear
Communication Port Subnet Mask	[000.000.000.000] – 255.255.255.255, Clear
Communication Port Link Protocol	[PPP], SLIP
Alternate COM Port IP Address	[000.000.000.000] – 255.255.255.255, Clear
Alternate COM Port Subnet Mask	[000.000.000.000] – 255.255.255.255, Clear
Default Network Destination	[None], COM, Linkname
<b>Logical Communication Links</b>	
Name	ASCII text entry [4 chars.]
IP Address	[000.000.000.000] – 255.255.255.255, Clear
Subnet Mask	[000.000.000.000] – 255.255.255.255, Clear
DLCI2	Network 1, Port 1, Port 2, Clear
EDLCI2	0 – 62
Set DE	Enable, [Disable]
RIP 1	[None], [Proprietary]
<b>General SNMP Management</b>	
SNMP Management	Enable, [Disable]
Community Name 1	ASCII text entry [Public], Clear
Name 1 Access	[Read], Read/Write
Community Name 2	ASCII text entry, [Clear]
Name 2 Access	[Read], Read/Write
<b>SNMP NMS Security</b>	
NMS IP Validation	Enable, [Disable]
Number of Managers	[1] – 10
NMS n IP Address	[000.000.000.000] – 255.255.255.255, Clear
Access Level	[Read], Read/Write
<b>SNMP Traps</b>	
SNMP Traps	Enable, [Disable]
Number of Trap Managers	[1] – 6
NMS n IP Address	[000.000.000.000] – 255.255.255.255, Clear
Destination	[Default], COM, Linkname
General Traps	Disable, Warn, AuthFail, [Both]
Enterprise Specific Traps	Enable, [Disable]
Link Traps	Disable, Up, Down, [Both]
Link Traps Interfaces	Network, Ports, [All]
DLCI Traps on Interfaces	Network, Ports, [All]

1 RIP is only shown when Link has been set to Network.  
None is the default for data ports. Proprietary (Prop) is the default for the network (when Link is set to Network).

2 Initially blank when New is selected; no factory default.  
Tab to field, and press the spacebar. The first valid value appears.

## Menu Hierarchy

