

9161 T1 Network Access Module 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 E of the *Technical Reference*.

Network		
Configuration Option	Settings	Default in [Bold]
Line Framing Format	D4, [ESF]	
Line Coding Format	AMI, [B8ZS]	
Line Build Out (LBO)	[0.0] , -7.5, -15, -22.5	
ANSI Performance Report Messages	Enable, [Disable]	
Management Link	[Disable] , FDL, DDL	
IP Address	[000.000.000.000] – 255.255.255.255, Clear	
Subnet Mask	[000.000.000.000] – 255.255.255.255, Clear	
Routing Information Protocol	None, [Proprietary]	
Network Time Slot	01 through 24 [lowest available time slot]	
Network Initiated LLB	[Enable] , Disable	
Network Initiated PLB	[Enable] , Disable	
Bit Stuffing	[62411] , Part68, Disable	
Circuit Identifier	Text field	
Loss of Signal (LOS)	[Enable] , Disable	
Out of Frame (OOF)	[Enable] , Disable	
Alarm Indication Signal (AIS)	[Enable] , Disable	
Yellow Alarm	[Enable] , Disable	
Excessive Error Rate (EER)	[Enable] , Disable	
Excessive Error Rate Threshold	[10E-4] , 10E-5, 10E-6, 10E-7, 10E-8, 10E-9	

DSX-1		
Configuration Option	Settings	Default in [Bold]
Interface Status	Enable, [Disable]	
Line Framing Format	D4, [ESF]	
Line Coding Format	AMI, [B8ZS]	
Line Equalization	[0-133] , 133-266, 266-399, 399-533, 533-655	
Send All Ones on DSX-1 Failure	[Enable] , Disable	
Time Slot Signaling Assignment Matrix	[RBS] , None	
Loss of Signal (LOS)	[Enable] , Disable	
Out of Frame (OOF)	[Enable] , Disable	
Alarm Indication Signal (AIS)	[Enable] , Disable	
Yellow Alarm	[Enable] , Disable	
Excessive Error Rate (EER)	[Enable] , Disable	
Excessive Error Rate Threshold	[10E-4] , 10E-5, 10E-6, 10E-7, 10E-8, 10E-9	

Sync Data Ports		
Configuration Option	Settings	Default in [Bold]
Port Status	Enable, [Disable]	
Port Type	[E530] , V.35, RS449, X.21	
Port Base Rate	[Nx64] , Nx56	
Transmit Clock	[Internal] , External	
Invert Transmit Clock	Enable, [Disable]	
Invert Transmit and Received Data	Enable, [Disable]	
Send All Ones on Data Port Not Ready	Disable, DTR, RTS, [Both]	
Action on Network Yellow Alarm	None, [Halt]	
Network Init. Data Channel Loopback	[Disable] , V.54, FT1, Both	
Port (DTE) Initiated Loopbacks	[Disable] , DTLB, DCLB, Both	
Embedded Data Link	Enable, [Disable]	
EDL Management Link	Enable, [Disable]	
IP Address	[000.000.000.000] – 255.255.255.255, Clear	
Subnet Mask	[000.000.000.000] – 255.255.255.255, Clear	
Routing Information Protocol	None, [Proprietary]	
Near End Performance Statistics	[Disable] , Maintain, Send, Both	
Far-End Performance Statistics	[Disable] , Maintain	
Out of Frame (OOF)	[Enable] , Disable	
Excessive Error Rate (EER)	[Enable] , Disable	
Excessive Error Rate Threshold	[10E-4] , 10E-5, 10E-6, 10E-7, 10E-8, 10E-9	

Voice Ports		
Configuration Option	Settings	Default in [Bold]
FXS Voice		
Port Status	Enable, [Disable]	
Operating Mode	[FXS] , FXSDN, FXSDN/WINK, PLAR, DPO	
Signaling Type	[Loop-Start] , Loop-Start/Fwd-Disc, Ground-Start, Ground-Start-Immediate, Ground-Start-Automatic, d3, d4	
Terminating Impedance (ohms)	[600] , 900	
Wink Delay (10ms)	1 – 99 [15]	
Wink Duration (10ms)	1 – 99 [20]	
Rx Gain (dB)	-10.00, -9.5, -9.0, -8.5, ..., [0.0] , ..., +0.5, +1.0, +1.5, +2.0	
Tx Attenuation (dB)	-10.00, -9.5, -9.0, -8.5, ..., [0.0] , ..., +4.0, +4.5, +5.0	
Ring-Back Tone	Enable, [Disable]	
Trunk Cond in CGA	[Busy] , Idle	
E&M Voice		
Port Status	Enable, [Disable]	
Operating Mode	[E&M] , Transmit Only	
Signaling Type	I, II, IV, V	
Rx Gain in (dB)	-17.00, -16.5, -16.0, -15.5, -15.0, ..., [0.0] , +6.5, +7.0, +7.5	
Tx Attenuation (dB)	-17.00, -16.5, -16.0, -15.5, -15.0, ..., [0.0] , +6.5, +7.0, +7.5	
Trunk Cond in CGA	[Busy] , Idle	

Copy Ports		
Configuration Option	Settings	Default in [Bold]
To: Slot xx	2-Slot: All, 01, 02 5-Slot: All, 01, 02, 03, 04, 05 [lowest numbered slot containing the same port type]	
To: Port y	All, 1, 2, 3, 4, 5, 6, 7, 8	
Perform Copy	n/a	
Perform Copy Then Increment	n/a	

System Options		
Configuration Option	Settings	Default in [Bold]
Generate Yellow Alarm Signals	[Enable] , Disable	
Test Timeout	[Enable] , Disable	
Test Duration (min)	1 – 20 [10]	
Primary Clock Source	[Network] , DSX-1, Internal, External, Sync Data	
Port (for Primary Clock Source)	Sss Pp [the first available port]	
Secondary Clock Source	Network, DSX-1, [Internal] , External, Sync Data	
Port (for Secondary Clock Source)	Sss Pp [the first available port]	
External Clock Rate (KHz)	8, [1544] , 2048	
Primary Clock Failure Alarm	[Enable] , Disable	
Secondary Clock Failure Alarm	[Enable] , Disable	

User Interface		
Configuration Option	Settings	Default in [Bold]
Communication Port		
Port Use	[Terminal] , Net Link, Alarm	
Port Type	[Asynchronous] , Synchronous	
Port Type – Synchronous		
Clock Source ¹	[Internal] , External	
Data Rate (Kbps)	2.4, 4.8, 9.6, 14.4, [19.2] , 28.8, 38.4, 57.6, 115.2	
Port Type – Asynchronous		
Data Rate (Kbps)	2.4, 4.8, 9.6, 14.4, [19.2] , 28.8, 38.4, 57.6, 115.2	
Character Length ²	7, [8]	
Parity ²	[None] , Even, Odd	
Stop Bits ²	[1] , 1.5, 2	
Ignore Control Leads	[Disable] , DTR	
Login Required ²	Enable, [Disable]	
Port Access Level ²	[Level-1] , Level-2, Level-3	
Inactivity Timeout ²	Enable, [Disable]	
Disconnect Time (Minutes) ²	1 – 60 [5]	
RIP ¹	[None] , Proprietary	
External Device (COM Port)		
External Device Commands	[Disable] , AT, Other	
Dial-In Access	Enable, [Disable]	
Connect Prefix ³	ASCII text entry, Clear	
Connect Indication String ³	ASCII text entry, Clear	
Escape Sequence ³	ASCII text entry, Clear	
Escape Sequence Delay (Sec) ³	[None] , 0.2, 0.4, 0.6, 0.8	
Disconnect String ³	ASCII text entry, Clear	
Telnet/FTP Sessions		
Telnet Session	Enable, [Disable]	
Telnet Login Required	Enable, [Disable]	
Session Access Level	[Level-1] , Level-2, Level-3	
Inactivity Timeout	Enable, [Disable]	
Disconnect Time (Minutes)	1 – 60 [5]	
FTP Session	Enable, [Disable]	
FTP Login Required	Enable, [Disable]	

¹ Only shown when Port Use is set to Net Link.
² Only shown when Port Use is set to Terminal.
³ Only shown when External Device Commands is set to Other.

Alarm	
Configuration Option	Settings <small>Default in [Bold]</small>
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
System Alarm Relay	Enable, [Disable]

Management and Communications	
Configuration Option	Settings <small>Default in [Bold]</small>
Communication Protocol	
Node IP Address	[000.000.000.000] – 255.255.255.255, Clear
Node Subnet Mask	[000.000.000.000] – 255.255.255.255, Clear
Default Network Destination	[None], COM, FDL, DDL, EDL _{ss-p}
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 Communication Port IP Address	[000.000.000.000] – 255.255.255.255, Clear
Alternate Communication Port Subnet Address	[000.000.000.000] – 255.255.255.255, Clear
General SNMP Management	
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
SNMP NMS Security	
NMS IP Validation	Enable, [Disable]
Number of Managers	[1] – 10 [1]
NMS <i>n</i> IP Address	[000.000.000.000] – 255.255.255.255, Clear
Access Level	[Read], Read/Write
SNMP Traps	
SNMP Traps	Enable, [Disable]
Number of Trap Managers	[1] – 6 [1]
NMS <i>n</i> IP Address	[000.000.000.000] – 255.255.255.255, Clear
Destination	[Default], COM, FDL, DDL, EDL _{ss-p}
General Traps	Disable, Warm, AuthFail, [Both]
Enterprise Specific Traps	Enable, [Disable]
Link Traps	Disable, Up, Down, [Both]
Link Traps Interfaces	Network, DSX-1, T1s, Ports, [All]

Menu Hierarchy

