

**Rochelle Communications, LLC -- Features at a Glance**

**July, 2005**

<b>Features</b>	<b>3500</b>	<b>3540</b>
Number of Ports	1	2
Port Type	CO	CO/TE
Programmable CO Voltage		X
Programmable Line Current	X	
Maximum Ringing Level (Vrms)	70	90
CO Impedance	600/900	600/complex
Floating CO Battery	X	
TE Impedance		600
Series/Pass-Through Impairment Capability	X	X
Artificial Line (3 Km and 6 Km)	X	
O.S.I. (Open Switching Interval) Generation	X	X
Polarity Reversal	X	X
On-hook and Off-hook FSK Generation	X	X
FSK Impairments (TIA-716 and TIA-777)	Opt.	X
FSK Decoding		X
DTMF Transmission and Decoding	X	X
Programmable Tone Generators	5	5
Programmable Noise Generator	X	X
Country-Specific Call Progress Tone Simulation		X
Audio In/Out Capability	X	PCM to/from PC
PC Wav File Recording and Playback		X
Programmable CAS/Alert Tone Generation	X	X
CAS/Alert Tone Decoding		X
Subscriber Pulse Metering (SPM) Simulation (12kHz / 16kHz)	X	
Functional Fax Testing	X	
Voltage-versus-Current Testing (RS-470)	X	
Return Loss Measurement	X	
RMS Signal Level Measurement	X	X
DTMF Digit Analysis	Opt.	X
BT CLI Wetting Pulse Measurement	X	
Pulse Dialing Analysis	X	
Frequency Response Measurement		X
Noise Meter		X
Speech Level Meter (P.56 Method B)		X
PESQ Voice Quality Measurement Package		Opt.

Near-end and Far-End Echo Simulation		X
Network Impairments (Levels, crosstalk, interference)		X
Line Event Monitor and Recorder		X
Audio Monitor Speaker		X
External Acoustic Fixture for Handset Testing	Opt.	
4-wire interface for Base Testing (e.g. VOIP phone/ATA testing)		Opt.
Remote Control from External Host PC	Opt. (RS232/GPIB)	X (USB)
Front Panel Operation with Soft Keys	X	
Built-In DOS PC (486-66 or 100)	X	
Built-In PC Peripherals (Floppy Drive, VGA, Serial, Parallel Ports)	X	
Internal PC/104 Expansion	X	
Host Application Software	Embedded DOS	Win 2000/XP
Remote Control Software (Optional)	LabVIEW, VB	LabVIEW, VB, VC++
Available DLL (Optional)		X
Script Language Support	RSL 3.0	RSL 3.0/RSL 4.0
Form Factor	Stand Alone	USB Device

<b>Applications</b>	<b>3500</b>	<b>3540</b>
Caller ID Simulation for R&D (Telcordia, ETSI)	X	X
Caller ID Simulation for R&D (NTT)	X	X
Caller ID Decoding		X
Fixed-Line SMS SC Simulation (Protocol 1, Protocol 2, China)		X
Fixed-Line SMS TE Simulation (China)		X
Production Testing of Telephones (Manual Testing)	X	
Production Testing of Telephones (Automated Testing)	X	X
Payphone Testing	X	
VoIP Terminal Testing		X
VoIP Gateway Testing		X
Network Emulation		X
End-to-End Network Testing (Frequency Response Analysis)		X
Telephone Impairment Measurement System (TIMS)		X
Speech Level Meter (P.56 Method B)		X

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