

HST-3000 VDSL2 Service Interface Module (SIM)

Highlights

- Test the technology, test the service, improve the process
- Thoroughly qualifies VDSL2 access service: Attenuation, Noise Margin, Bits per Tone, Actual bit rate, Maximum bit rate, % Capacity, and Estimated Loop Length
- Data layer test options: PPPoE, PPPoA, IPoA, FTP throughput, and Web Browser
- Test interfaces: VDSL2-wire and Ethernet 10/100
- Option copper test capability up to 30Mhz
- Test modes: Terminate, Through, and TE (Terminal Equipment)
- Flexible, modular design allows you to buy what you need now and easily upgrade later in the field



In one lightweight, robust, battery operated tester, the JDSU HST-3000 offers more testing power than any other handheld tester on the market. Its scalable, modular design cost-effectively addresses today's needs. Upgrade later in the field to meet emerging requirements through plug-in hardware modules and software options.

JDSU's HST-3000 VDSL2 SIM delivers comprehensive VDSL2 test support including VDSL2 physical layer, Data layer, and Services (Web, VoIP, and IPVideo) in one module. Optional data service test support includes: PPPoE, PPPoA, IPoA, Bridged Ethernet, DNS client, DHCP client and server, as well as FTP throughput, Web Browser, IP PING, and IP Trace Route. Test modes include: Terminate Mode (VDSL2 modem emulation), Through mode (VDSL2 to Ethernet), and TE mode (Ethernet). With a simple to use GUI, the ability to store multiple configurations and auto test routines, VDSL2 service provisioning and troubleshooting becomes efficient and thorough. Using scripting features of the HST, specific test scenarios can be consistently performed. Using the results storage and export features of the HST-3000, key VDSL2 line parameters can be captured for benchmarking and later used in trouble resolution.

WEBSITE: www.jdsu.com

www.valuetronics.com



Test the Technology

- Max bit rate
- Actual bit rate
- Loop attenuation
- Noise Margin
- Percent (%) capacity
- Bits per tone
- Estimated loop length
- VDSL chipset support dependent on SIM part number
 - Ikanos
 - Connexant
 - Infineon Aware

Test the Service

- Data PPPoE, PPPoA, IPoA, Bridged Ethernet
- DNS, DHCP Client/Server, IP PING, IP Trace Route
- FTP throughput
- Web browser

			<i>Э</i> т 🔒
	Est. Length	2-1- 	Data Off
DSLAM	2.1 kft	1	/TU-R Only
Show Time	9	UP	DOWN
Actual Rate	249	60 K	62336 K
Max Rate		8555	62336 K
Capacity		(3 371))	100.0 %
Noise Margin		19 13	6.0 dB
Attenuation	20	0 dB	
Display 🔺	Res	sults 🔺	DSL Stop

	<u>Upstream</u>	Downstream
Actual Rate	24960 K	62336 K
Max Rate	5721)	62336 K
Noise Margin	10000	6.0 dB
Attenuation	20.0 dB	53.53
Interleaving Delay	1.8 ms	1.9 m s
Training Time	11 sec	
Num Syncs	1	

VDSL Measurements
HOME->VDSL
Press a number or use arrow keys and then OK

VDSL Modem
Emulate a VDSL Modem
2 - Data
Test Data services over VDSL
3 - VOIP
Test VoIP over VDSL
4 - Video
Test Video services over VDSL
VDSL
ETHERNET

	5000	10000	15000	20000	25000
0 dBn	1				
20					i
40					
60					i
			an ar an		



VDSL E		İ
	LOCAL	REMOTE
LOS/FLOS	0	0
FEC	79	0
FECUNCRR	0	(557)
CRC	0	0
LOM	0	0
SEF	0	
RDI	5574 5774	0
LPR	57732 57772	Ō
Display 🔺	Res	sults 🔺 DSL Stop

Improve the Process

- Multiple configuration storage
- Test results export, serial, USB, Ethernet
- FTP throughput
- Web browser

Added benefits

AVDCI Derte

- VoIP and IP video testing over VDSL2 support
- Three modes of operation: Terminate, Through, and TE

The HST-3000 boasts advanced scripting features to improve compliance with operator Methods and Procedures, through interactive, one-button auto-tests. These tests are fully customizable on a per-customer basis, to include pass-fail thresholds.

Use the HST-3000 everywhere you need to quickly isolate your troubles: the network "IN," the loop "OUT" or the CPE. The handheld, rugged and easy-to-use HST-3000 is ideal for field use. It is compact, rugged and can be used in almost all conditions, from inside the CO/Exchange to outside in moderate rain.

www.valuetronics.com



Ordering information

Software options

HST3000-AR2AADSL2+ (ATU-R, Annex A)HSTMHST3000-AR2ABADSL2+ (ATU-R, Annex A)BHST3000-AR2BADSL2+ (ATU-R, Annex A)BHST3000-OPTETHOptical EthernetHST3000-STRMultiple StreamsHST3000-SVIPVoIP AnalysisHST3000S-VIPVoIP AnalysisHST3000S-VIPVoIP AnalysisHST3000S-VIPVoIP Mean Opinion ScoreSIMHST3000S-SCPSCCP VoIP SignalingHST3000S-SIPSIP VoIP SignalingHST3000S-SIPSIP VoIP SignalingHST3000S-NGCPSCCP MGCP VoIP SignalingHST3000-FRFrame Relay software optionHST3000S-IPAdvanced IP suite – PING andHST3000S-VIPVoIP Software optionHST3000S-VIPVoIP Software optionHST3000S-VIPVoIP Software optionHST3000S-VIPVoIP Software optionHST3000S-VIPVoIP Software optionHST3000S-VIPVoIP Software optionHST3000S-VIPVoIP Signalling call controls for H.323HST3000S-SIPVoIP Signalling call controls for H.323HST300S-SIPVoIP Signalling option for SIP call controlHST3000S-SIPVoIP Signalling option for SIP call controlHST3000S-NOSMOS (Mean Opinion Score) Analysis optionHST3000S-NOSNOS MOS (Mean Opinion Score) Analysis optionHST3000S-NOSNOS (Mean Opinion Score) Ana		Software optio	/15
III SIM MsHST3000-AR2BADSL2+ (ATU-R, Annex A) MsT3000-OPTETHMsHST3000-OPTETHOptical EthernetHST3000-STRMultiple StreamsHST3000S-IP-VideoIP Video AnalysisHST3000S-VoIPVoIP AnalysisHST3000S-NOSVoIP Mean Opinion ScoreDMHz)HST3000S-KCPHST3000S-SIPSCCP VoIP SignalingHST3000S-SIPSCCP MGCP VoIP SignalingHST3000S-MGCPSCCP MGCP VoIP SignalingHST3000S-MGCPSCCP MGCP VoIP SignalingHST3000S-IPAdvanced IP suite PING andHST3000S-VIPVoIP Software optionHST3000S-WEBWeb browser optionHST3000S-VIPVoIP Software analysis optionHST3000S-VIPVoIP Software analysis optionHST3000-FFPFTP software optionHST3000-FIPFTP software optionHST3000-SCCPSccipted test optionHST3000-SCCPNOIP Signalling call controls for H.323HST3000-SCCPNOIP Signalling option for SIP call controlHST3000-FIPFTP software optionHST3000-FIRSignalling (PCM) software optionHST3000-SCCPNoIP Signalling option for SIP call controlHST3000-FIRSignalling option for SIP call controlHST3000-FIPSignalling option for SIP call controlHST3000-FIRSignalling Option for SIP call controlHST3000-FIRSignalling option for SIP call controlHST3000-FIRSignalling Option for SIP call controlHST3000-SCCPNoIP Signalling option for SIP call controlHST3000-FIR<		HST3000-AR2A	ADSL2+ (ATU-R, Annex A)
MsADSL2+ (AIU-F, AINEX A)HS13000-AR2BADSL2+ (AIU-F, AINEX A)HS13000-OPTETHOptical EthernetHS13000-STRMultiple StreamshexantHS13000-STP-VideoIP Video Analysiset SIMHS13000S-VoIPVoIP AnalysisHS13000S-H.323H.323 VoIP Signalinget SIMHS13000S-H.323H.323 VoIP Signalinget SIMHS13000S-GCCPSCCP VoIP Signalinget SIMHS13000S-MGCPSCCP MGCP VoIP SignalingHS13000-FRFrame Relay software optionHS13000-FRFrame Relay software optionHS13000-FRFrame Relay software optionHS13000-FRWeb browser optionHS13000-FRWeb browser optionHS13000-FRWeb browser optionHS13000-FRWeb browser optionHS13000-FRFrame Relay software optionHS13000-FRREL optionHS13000-FRREL optionHS13000-FRFTP software optionHS13000-FRFTP software optionHS13000-FRFTP software optionHS13000-FRFTP software optionHS13000-FRFTP software optionHS13000-FRFTP software optionHS13000-FRNeth software optionHS13000-FRFTP software optionHS13000-FRFTP software optionHS13000-FRScripted test optionHS13000-FRScripted test optionHS13000-FRFTP software optionHS13000-FRScripted test optionHS13000-FRScripted test optionHS13000-FR </td <td></td> <td>HST3000-AR2AB</td> <td></td>		HST3000-AR2AB	
HS13000-0F1E1HOptical Ethernetet SIMHS13000-MSTRMultiple StreamshexantHS13000S-IP-VideoIP Video Analysiset SIMHS13000S-VoIPVoIP Mean Opinion ScoreDMHz)HS13000S-MOSVoIP Mean Opinion ScoreSIMHS13000S-SIPSIP VoIP SignalingHS13000S-SIPSIP VoIP SignalingHS13000S-SIPSIP VoIP SignalingHS13000S-SIPSIP VoIP SignalingHS13000-PSPulse Shape software optionHS13000-PSPulse Shape software optionHS13000-PSPulse Shape software optionHS13000-PSPulse Shape software optionHS13000-FRFrame Relay software optionHS13000-WEBWeb browser optionHS13000-WEBWeb browser optionHS13000-WEBWeb browser optionHS13000-WEBWeb browser optionHS13000-SVEPRFL optionHS13000-SVEPRFL optionHS13000-SVEPNFP optionHS13000-SCRIPTScripted test optionHS13000-SIPVoIP Signalling call controls for H.323terfaceHS13000-SCCPoptionHS13000-PCMSIGHS13000-PCMSIGSignalling (PCM) software optionHS13000-PCMSIGSignalling option for SIP call controlHS13000-PCMSIGSignalling option (NC Standard)HS13000-PCMSIGSignalling option (NC Standard)HS13000-PCMSIMVideo MOS analysis optionHS13000-PCMSIMVoIP signaling option for Nortel UnistimHS13000-PCMSIMVoIP signaling option for Nortel Unistim		HST3000-AR2B	ADSL2+ (ATU-R, Annex A)
et SIM hexant hST3000S-IP-Video IF Video Analysis hST3000S-VolP VolP Analysis hST3000S-MOS VolP Mean Opinion Score hST3000S-H.323 H.323 VolP Signaling hST3000S-SIP SIP VolP Signaling hST3000S-SIP SIP VolP Signaling hST3000S-MGCP SCCP VolP Signaling hST3000S-MGCP SCCP MGCP VolP Signaling hST3000-PS Pulse Shape software option hST3000-FR Frame Relay software option hST3000-FR HST3000S-IP Advanced IP suite – PING and tST3000-FR HST3000-FR HST3000-FR HST3000-FR HST3000-FR HST3000-FR HST3000-FR HST3000-FR HST3000-RFP REL option HST3000-RFP REL option HST3000-RFP REL option HST3000-SCRIPT Scripted test option HST3000-SCRIPT Scripted test option HST3000-SCRIPT Scripted test option HST3000-SCRIPT Scripted test option HST3000-SCRIPT Scripted test option HST3000-PCMTIMS TIMS (PCM) software option HST3000-PCMTIMS HST3000-PCMT HST3000-PCMT HST3000-PCMT HST3000-PCMT HST3000-PCM	VIS	HST3000-OPTETH	Optical Ethernet
HS13000S-IP-VideoIP Video AnalysisHS13000S-VoIPVoIP AnalysisHS13000S-VoIPVoIP Mean Opinion ScoreHS13000S-MOSVoIP Mean Opinion ScoreHS13000S-MOSVoIP Mean Opinion ScoreHS13000S-SCCPSCCP VoIP SignalingHS13000S-SIPSIP VoIP SignalingHS13000S-SIPSIP VoIP SignalingHS13000S-FRFrame Relay software optionHS13000S-IPAdvanced IP suite – PING andHS13000S-WEBWeb browser optionHS13000S-WEBWeb browser optionHS13000S-WEBWeb browser optionHS13000S-WEBWeb browser optionHS13000S-VOIPVoIP Software analysis optionHS13000S-VOIPVoIP Software analysis optionHS13000S-VOIPVoIP Software optionHS13000S-VOIPVoIP Software optionHS13000S-VOIPVoIP Signalling call controls for H.323HS13000S-SIPVoIP Signalling call controls for H.323HS13000S-SIPVoIP Signalling option for SIP call controlHS13000S-SIPVoIP Signalling option for SIP call controlHS13000S-NOSMOS (Mean Opinion Score) Analysis optionHS13000S-NOSMOS (Mean Opinion Score) Analysis optionHS13000S-VIDSVideo Analysis optionHS1300S-VIDSVideo Analysis optionHS1300D-PCMTIMSTIMS (PCM) software optionHS1300D-PCMTIMSTIMS (PCM) software optionHS1300D-PCMTIMSNorth America centric cable packageincludes CB00688, CB00686, and (2) C70901HS1300S-VIDEOVideo And Siso optionHS1300		HST3000-MSTR	Multiple Streams
et SIMHS13000S-VoIPVoIP AnalysisMHz)HST3000S-MOSVoIP Mean Opinion ScoreMHz)HST3000S-MOSVoIP Mean Opinion ScoreSIMHST3000S-SCCPSCCP VoIP SignalingHST3000S-SIPSIP VoIP SignalingHST3000S-SIPSIP VoIP SignalingHST3000S-SIPSIP VoIP SignalingHST3000S-SIPPulse Shape software optionMHz)HST3000-FRFrame Relay software optionHST3000S-IPAdvanced IP suite – PING andtr withHST3000S-WEBHST3000S-WEBWeb browser optionHST3000S-WEBWeb browser optionHST3000S-WEBWeb browser optionHST3000S-WEBWeb browser optionHST3000S-WEBWeb browser optionHST3000S-WEBWeb browser optionHST3000S-WEBWeb browser optionHST3000S-VOIPVoIP Software analysis optionHST3000S-VOIPVoIP Software optionHST3000S-VOIPVoIP Software optionHST3000S-SIPVoIP Signalling call controls for H.323HST3000S-SIPVoIP Signalling option for SIP call controlHST3000-PCMSIGSignalling (PCM) software optionHST3000S-MOSMOS (Mean Opinion Score) Analysis optionHST3000S-MOSMOS (Mean Opinion Score) Analysis optionHST3000S-VIDEVideo MOS analysis optionHS		HST3000S-IP-Video	IP Video Analysis
MHz)HS13000S-M0SVolP Mean Upinion ScoreMHz)HS13000S-M0SVolP Mean Upinion Scoreet SIMHS13000S-SCCPSCCP VolP SignalingHS13000S-SIPSIP VolP SignalingHS13000S-SIPSIP VolP SignalingHS13000S-SIPSIP VolP SignalingHS13000S-NGCPSCCP MGCP VolP SignalingHS13000S-NGCPSCCP MGCP VolP SignalingHS13000S-NGCPSCCP MGCP VolP SignalingHS13000S-NGCPSCCP MGCP VolP SignalingHS13000-FRFrame Relay software optionHS13000S-WEBWeb browser optionHS13000S-VOIPVolP Software analysis optionHS13000S-VOIPVolP Software optionHS13000S-SIPVolP Signalling call controls for H.323HS13000S-SIPVolP Signalling option for SIP call controlHS13000-PCMTIMSTIMS (PCM) software optionHS13000S-NDSMOS (Mean Opinion Score) Analysis optionHS13000S-NDSMOS (Mean Opinion Score) Analysis optionHS13000S-VIDEOVideo analysis optionHS13000S-VIDEOVideo MOS analysis optionHS13000S-VIDEOVideo MOS analysis optionHS1300S-VIDEOVideo MOS anal		HST3000S-VoIP	VoIP Analysis
et SIMHS13000S-H.323H.323 VOIP Signalinget SIMHST3000S-SCCPSCCP VoIP SignalingIkanosHST3000S-SIPSIP VoIP Signalinget SIMHST3000S-SIPSIP VoIP SignalingHST3000S-SIPPulse Shape software optionHST3000S-RFrame Relay software optionHST3000S-IPAdvanced IP suite – PING andtet SIMHST3000S-WEBWBT3000S-WEBWeb browser optionHST3000S-WEBWeb browser optionHST3000S-VOIPVoIP software analysis optionHST3000S-VOIPVoIP software optionHST3000S-SIPVoIP Signalling call controls for H.323HST3000S-SIPVoIP Signalling option for SIP call controlHST3000-PCMTIMSTIMS (PCM) software optionHST3000-PCMTIMSTIMS (PCM) software optionHST3000S-MOSMOS (Mean Opinion Score) Analysis optionHST3000S-VIDEVideo MOS analysis optionHST3000S-VIDEOVideo MOS analysis optionHST3000S-VIDEOVi		HST3000S-MOS	VoIP Mean Opinion Score
et SIMHS13000S-SUPSUCP YoIP SignalingIkanosHST3000S-SIPSIP YoIP Signalinget SIMHST3000S-MGCPSCCP MGCP VoIP SignalingHST3000-PSPulse Shape software optionHST3000-FRFrame Relay software optionHST3000S-IPAdvanced IP suite – PING andet SIMHST3000S-WEBwithHST3000-WEBHST3000-WEBWeb browser optionHST3000-WEBWeb browser optionHST3000-WEBWeb browser optionHST3000-RFPRFL optionHST3000-SV0IPVoIP software analysis optionHST3000-SV0IPVoIP software optionHST3000-SCRIPTScripted test optionHST3000-SCRIPTScripted test optionHST3000-SUPVoIP Signalling call controls for H.323verfaceHST3000-SIPHST3000-PCMTIMSTIMS (PCM) software optionHST3000-PCMTIMSTIMS (PCM) software optionHST3000-PCMTIMSTIMS (PCM) software optionHST3000-PRIISDN PRI software option (NC Standard)HST3000-SVIDESpectral Noise software optionHST3000S-VIDEVideo MOS analysis optionHST3000S-VIDE0Video analysis optionHST3000S-VIDE0Video MOS analysis option<	,	HST3000S-H.323	H.323 VoIP Signaling
IkanosSIP VoIP SignallingIkanosHST3000S-MGCPSCCP MGCP VoIP SignallingMHz)HST3000-PSPulse Shape software optionHST3000-PSPulse Shape software optionHST3000-FRFrame Relay software optionHST3000S-IPAdvanced IP suite – PING andtr withHST3000S-WEBWeb browser optionHST3000-WBTONESWB TIMS optionMHz)HST3000-WEDVoIP software analysis optionHST3000-SVEBWeb browser optionHST3000-RFPRFL optionHST3000-SVOIPVoIP software analysis optionHST3000-SVOIPVoIP software optionHST3000-SCRIPTScripted test optionHST3000S-SIPVoIP Signalling cption for SIP call controlHST3000-PCMSIGSignalling (PCM) software optionHST3000-PCMTIMSTIMS (PCM) software optionHST3000-PCMTIMS<		HST3000S-SCCP	SCCP VoIP Signaling
et SIMHST3000S-MICCPSCCP MicCP VoIP SignalingMHZ)HST3000-PSPulse Shape software optionHST3000-FRFrame Relay software optionHST3000-SIPAdvanced IP suite – PING andThrough mode supportThrough mode supportet SIMHST3000S-WEBWeb browser optionHST3000-WBTONESWB TIMS optionMHZ)HST3000-VIPVoIP software analysis optionHST3000S-WEBWeb browser optionHST3000-SWEBWeb browser optionHST3000-VIPVoIP software analysis optionHST3000S-WEBWeb software optionHST3000S-VIPVoIP software optionHST3000-SCRIPTScripted test optionHST3000S-SIPVoIP Signalling cption for SIP call controlHST3000-PCMSIGSignalling (PCM) software optionHST3000-PCMTIMSTIMS (PCM) software optionHST3000-PCMTIMSTIMS (PCM) software optionHST3000-PCMTIMSTIMS (PCM) software optionHST3000S-MOSMOS (Mean Opinion Score) Analysis optionHST3000S-VIDEOVideo analysis option<		HST3000S-SIP	SIP VolP Signaling
MHz)HS13000-PSPulse shape software optionHST3000-FRFrame Relay software optionHST3000-FRFrame Relay software optionHST3000S-IPAdvanced IP suite – PING andThrough mode supportHST3000-WEBWeb browser optionHST3000-WEBMHz)HST3000-WEDMHz)HST3000-RFPRSIMHST3000-SV0IPVoIP software analysis optionHST3000-SV0IPVoIP software analysis optionHST3000-SCRIPTScripted test optionHST3000S-SIPVoIP Signalling call controls for H.323HST3000-SCRIPTScripted test optionHST3000-SCRIPTScripted test optionHST3000-SCRIPN for Cisco SCCPHST3000-PCMSIGSignalling option for SIP call controlHST3000-PCMTIMSTIMS (PCM) software optionHST3000-PCMTIMSTIMS (PCM) software optionHST3000-PRIISDN PRI software option (NC Standard)HST3000S-VIDEVideo MOS analysis optionHST3000S-VIDEOVideo analysis option </td <td></td> <td>HST3000S-MGCP</td> <td>SCCP MGCP VolP Signaling</td>		HST3000S-MGCP	SCCP MGCP VolP Signaling
et SIMHS13000-FRFrame Relay software optionet SIMHST3000S-IPAdvanced IP suite – PING and Through mode supportet SIMHST3000S-WEBWeb browser optionHST3000-WBTONESWB TIMS optionHST3000-WBTONESWB TIMS optionHST3000-FFPRFL optionHST3000-SCRIPTScripted test optionHST3000S-SIPVoIP Signalling call controls for H.323HST3000S-SIPVoIP Signalling option for SIP call controlHST3000-SCRIPTScripted test optionHST3000S-SIPVoIP Signalling option for SIP call controlHST3000-PCMSIGSignalling (PCM) software optionHST3000-PCMTIMSTIMS (PCM) software optionHST3000-PCMTIMSNOS (Mean Opinion Score) Analysis optionHST3000-PCMTVideo MOS analysis optionHST3000-PCMTNorth America centric cable packageincludes CB00688, CB00688, and (2) C70901CB00688Tip(A) - Ring(B) - Ground 4MM connectorsCB00686Tip1(A1) - Ring(B) - Ground 4MM connectorsCB00500CMM Clin PackageS1105MMM		HST3000-PS	Pulse Shape software option
et SIMHS13000S-IPAdvanced IP suite – PING and Through mode supportrr withHST3000S-WEBWeb browser optionHST3000-WBTONESWB TIMS optionHST3000-WBTONESWB TIMS optionHST3000-SV0IPVoIP software analysis optionHST3000S-V0IPVoIP software analysis optionHST3000-SCRIPTScripted test optionHST3000S-SIPVoIP Signalling call controls for H.323HST3000S-SIPVoIP Signalling (PCM) software optionHST3000-PCMSIGSignalling (PCM) software optionHST3000-PCMSIGSignalling (PCM) software optionHST3000-PRIISDN PRI software option (NC Standard)HST3000S-VIDESpectral Noise software optionHST3000S-VIDE0Video analysis optionHST3000S-RESecond & (2) C70901CB00688Tip(A) - Ring(B) - Ground 4MM connectorsGB00686Tip1(A1) - Ring1(B1) -Ground 4MM connectorsGB00586Tip1(A1) - Ring1(B1) -Ground 4MM connectorsCUSIMS15054MM (Lip Parkaoe <td></td> <td>HST3000-FR</td> <td>Frame Relay software option</td>		HST3000-FR	Frame Relay software option
r with et SIM HST3000S-WEB Web browser option HST3000-WBTONES WB TIMS option HST3000-RFP REL option HST3000-S-V0IP VoIP software analysis option HST3000-SCRIPT Scripted test option HST3000S-SIP HST3000S-SIP HST3000S-SIP HST3000S-SIP HST3000-PCMSIG Signalling option for SIP call control HST3000-PCMSIG Signalling (PCM) software option HST3000-PCMSIG Signalling (PCM) software option HST3000-PCMSIG Signalling (PCM) software option HST3000-PCMSIG Signalling option for SIP call control HST3000-PCMSIG Signalling (PCM) software option HST3000-PCMSIG Signalling option for SIP call control HST3000-PCMSIG Signalling (PCM) software option HST3000-PCMSIG Signalling option for SIP call control HST3000-PCMSIG Signalling option for Nortal control HST3000-PCMSIG Signalling option for Nortel Unistim HST3000-VIDEO Wideband Copper SIM Cables CB-WBII-PKG1 North America centric cable package includes CB00688, CB00686, and (2) C70901 CB-WBII-PKG2 International centric cable package Signaling (PCM) - Ring(B) - Ground 4MM connectors CB00686 Tip1(A1) - Ring(B) - Ground 4MM connectors C70901 4MM Telco Lineman Clips		HST3000S-IP	Advanced IP suite – PING and
et SIMHS13000S-WEBWeb browser optionMHz)HST3000-WBT0NESWB TIMS optionHST3000-WBT0NESWB TIMS optionHST3000-SFPRFL optionHST3000-SFPFTP software analysis optionHST3000-SCRIPTScripted test optionHST3000-SCRIPTScripted test optionHST3000S-SIPVoIP Signalling call controls for H.323HST3000-SCRIPTScripted test optionHST3000S-SIPVoIP Signalling option for SIP call controlHST3000-PCMSIGSignalling (PCM) software optionHST3000-PCMTIMSTIMS (PCM) software optionHST3000-PRIISDN PRI software option (NC Standard)HST3000S-MOSMOS (Mean Opinion Score) Analysis optionHST3000S-VIDEOVideo analysis optionHST3000S-RESIMGB0688Tip(A) - Ring(B) - Ground 4MM connectorsGB00686Tip1(A1) - Ring1(B1) -Ground 4MM connectorsCB00686Tip1(A1) - Ring1(B1) -Ground 4MM connectorsCO3DNCANCu SIMS1505 <td></td> <td></td> <td>Through mode support</td>			Through mode support
MHz)HS13000-WB10NESWB11MS OptionMHz)HS13000-RFPRFL optionHS13000-S-V0IPVoIP software analysis optionHS13000-SCRIPTScripted test optional loopHS13000-SCRIPTal loopHS13000-SCRIPTserfaceHS13000-SCRIPToptionHS13000-SCRIPTHS13000-SCRIPTScripted test optionHS13000-SCRIPTScripted test optionHS13000-SCRIPTScripted test optionHS13000-SCRIPTScripted test optionHS13000-PCMSIGSignalling cption for SIP call controlHS13000-PCMSIGSignalling (PCM) software optionHS13000-PCMTIMSTIMS (PCM) software optionHS13000-PCMTIMSTIMS (PCM) software optionHS13000-PCMTIMSTIMS (PCM) software optionHS13000-PRIISDN PRI software option (NC Standard)HS13000S-MOSMOS (Mean Opinion Score) Analysis optionHS13000S-VMOSVideo MOS analysis optionHS13000S-VIDEOVideo analysis optionHS13000S-VIDEOVideo analysis optionHS13000S-VIDEOVideo analysis optionHS13000S-VIDEOVideo analysis optionHS13000S-VIDEOVideo analysis optionHS13000S-VIDEOVideo analysis optionHS13000S-RSINorth America centric cable packageincludes CB00688, CB00686, and (2) C70901CB00686CB00686Tip(A) - Ring(B) - Ground 4MM connectorsCB005BNGB00686Tip(A) - Ring(B) - Ground 4MM connectorsCDSDNCMMGEAMM Clin PackageCu SIM<		HST3000S-WEB	Web browser option
MHz)HST3000-RFPRFL optionet SIMHST3000-SPIVoIP software analysis optionm SIMHST3000-SCRIPTScripted test optional loopHST3000-SCRIPTScripted test optionHST3000-SCRIPTScripted test optionHST3000-PCMSIGSignalling option for SIP call controlestingHST3000-PCMSIGSignalling (PCM) software optionhST3000-PCMSIGSignalling (PCM) software optionhST3000-PCMTIMSTIMS (PCM) software optionhST3000-PCMTIMSTIMS (PCM) software optionhST3000-PCMTIMSTIMS (PCM) software optionhST3000-PCMTIMSTIMS (PCM) software optionhST3000-PRIISDN PRI software option (NC Standard)hST3000S-VMOSWideo MOS analysis optionhST3000S-VMOSVideo MOS analysis optionhST3000S-VIDE0Video analysis optionhST3000S-VIDE0Video analysis optionhST3000S-VIDE0Video MOS8, CB00686, and (2) C70901cB-WBII-PKG1North America centric cable packageincludes CB00688, CB00686, and (2) C70901cB00686Tip(A) - Ring(B) - Ground 4MM connectorsolSDNCB00686Tip(A) - Ring(B) - Ground 4MM connectorscB00686Tip(A) - Ring(B) -		HST3000-WBTONES	WB TIMS option
HST3000S-V0IPVoIP SoftWare analysis optionm SIMHST3000-FTPFTP software optional loopHST3000-SCRIPTScripted test optionHST3000S-SCRPVoIP Signalling call controls for H.323HST3000S-SCPn for Cisco SCCPhST3000S-SIPVoIP Signalling option for SIP call controlHST3000-PCMSIGSignalling (PCM) software optionHST3000-PCMSIGSignalling (PCM) software optionHST3000-PCMTIMSTIMS (PCM) software optionHST3000-PCMTIMSTIMS (PCM) software optionHST3000-PRIISDN PRI software option (NC Standard)HST3000S-MOSMOS (Mean Opinion Score) Analysis optionHST3000S-VMOSVideo MOS analysis optionHST3000S-VMOSVideo MOS analysis optionHST3000S-VMOSVideo analysis optionHST3000S-VMOSVideo analysis optionHST3000S-VMOSVideo MOS analysis optionHST3000S-VMOSNorth America centric cable packageincludes CB00688, CB00686, and (2) C70901CB00686Tip1(A1) - Ring(B) - Ground 4MM connectorsCB00580Tip1(A1) - Ring(B) - Ground 4MM connectorsCMSIMCablesCu SIMS150Cu SIMS150Cu SIMS150	,	HST3000-RFP	
MSIM HST3000-SCRIPT Scripted test option HST3000S-H.323 VoIP Signalling call controls for H.323 Verface HST3000S-H.323 VoIP Signalling call controls for H.323 HST3000S-SIP VoIP Signalling option for SIP call control HST3000-PCMSIG Signalling (PCM) software option HST3000-PCMSIG Signalling (PCM) software option HST3000-PCMSIG DDS-T1 software option HST3000-PCMTIMS TIMS (PCM) software option HST3000-PRI ISDN PRI software option (NC Standard) Noption HST3000S-MOS MOS (Mean Opinion Score) Analysis option HST3000S-VIDE0 Video MOS analysis option HST3000S-VIDE0 Video MOS analysis option HST3000S-VIDE0 Video MOS analysis option MST3000S-VIDE0 Video analysis option MST3000S-VIDE0 Video analysis option MST3000S-VIDE0 Video analysis option MST3000S-VIDE0 Video analysis option POTS Includes CB00688, CB00686, and (2) C70901 CB-WBII-PKG2 International centric cable package includes CB00688, CB00686, and S1505 CB00686 Tip(A) - Ring(B) - Ground 4MM connectors OSDN	et SIM	HST3000S-VOIP	VoIP software analysis option
al loop HS13000-SCRIP1 Scripted test option hST3000S-H.323 VoIP Signalling call controls for H.323 hST300S-SCCP n for Cisco SCCP hST3000S-H.323 VoIP Signalling option for SIP call control hST3000S-SIP VoIP Signalling (PCM) software option hST3000-PCMSIG Signalling (PCM) software option hST3000-PCMSIG DDS-T1 software option hST3000-PCMTIMS TIMS (PCM) software option hST3000-PRI ISDN PRI software option (NC Standard) hST3000S-MOS MOS (Mean Opinion Score) Analysis option hST3000S-VMOS Video MOS analysis option hST3000S-VIDEO Video analysis option hST300S-R SIM includes CB00688, CB00686, and (2) C70901 cB-WBII-PKG2 International centric cable package includes CB00688 CB00688 Tip(A) - Ring(B) - Ground 4MM connectors cB00586		HST3000-FTP	FTP software option
HS13000S-H.323 VoiP Signalling call controls for H.326 HS13000S-SCCP n for Cisco SCCP HS13000S-SIP VoiP Signalling option for SIP call control HS13000S-SIP VoiP Signalling (PCM) software option HS13000-PCMSIG Signalling (PCM) software option HS13000-PCMSIG Signalling (PCM) software option HS13000-PCMSIG DDS-T1 software option HS13000-PCMTIMS TIMS (PCM) software option HS13000-PCMTIMS DDS-T1 software option HS13000-PRI ISDN PRI software option (NC Standard) HS13000S-MOS MOS (Mean Opinion Score) Analysis option HS13000S-VMOS Video MOS analysis option HS13000S-VMOS Video MOS analysis option HS13000S-VIDEO Video analysis option HS13000S-VIDEO Video analysis option Wideband Copper SIM Cables includes CB00688, CB00686, and (2) C70901 CB-WBII-PKG2 International centric cable package includes CB00688, CB00686, and S1505 CB00688 CB00688 Tip(A) - Ring(B) - Ground 4MM connectors CB00686 Tip(A) - Ring(B) - Ground 4MM connectors C0901 4MM Telco Lineman Clips S1505 4MM Clin Package		HST3000-SCRIPT	Scripted test option
hS13003-SCLP n for ClSco SCLP option hST30005-SILP VolP Signalling option for SIP call control HST30003-SIP VolP Signalling (PCM) software option HST3000-PCMSIG Signalling (PCM) software option HST3000-PCMSIG Signalling (PCM) software option HST3000-PCMSIG DDS-T1 software option HST3000-PCMTIMS TIMS (PCM) software option HST3000-PRI ISDN PRI software option (NC Standard) option HST3000S-MOS MOS (Mean Opinion Score) Analysis option HST3000S-VMOS Video MOS analysis option HST3000S-VIDEO Video analysis option HST3000S-VIDEO Video analysis option Wideband Copper SIM Cables includes CB00688, cB00686, and (2) C70901 CB-WBII-PKG1 North America centric cable package includes CB00688, CB00686, and S1505 CB00688 CB00688 Tip(A) - Ring(B) - Ground 4MM connectors CB00686 Tip1(A1) - Ring1(B1) -Ground 4MM connectors C0901 4MM Telco Lineman Clips S1505 4MM (Din Package		HST3000S-H.323	VoIP Signalling call controls for H.323
HST30005-31P VolP signalling (PCM) software option HST3000-PCMSIG Signalling (PCM) software option HST3000-PCMTIMS TIMS (PCM) software option HST3000-PCMTIMS TIMS (PCM) software option HST3000-PCMTIMS DDS-T1 software option HST3000-PCMTIMS Spectral Noise software option HST3000S-VMOS MOS (Mean Opinion Score) Analysis option HST3000S-VMOS Video MOS analysis option HST3000S-VIDEO Video analysis option HST3000S-VIDEO Video analysis option Wideband Copper SIM Cables includes CB00688, CB00686, and (2) C70901 CB-WBII-PKG1 North America centric cable package includes CB00688, CB00686, and S1505 CB00688 CB00688 Tip(A) - Ring(B) - Ground 4MM connectors CB00686 Tip1(A1) - Ring1(B1) -Ground 4MM connectors C0901 4MM Telco Lineman Clips S1505 4MM (Dip Package)		HST300S-SCCP	n for Cisco SCCP
Tam T1 HST3000-PCMSIG Signaling (PCM) software option HST3000-PCMTIMS TIMS (PCM) software option option HST3000-PCMTIMS DDS-T1 software option HST3000-PRI ISDN PRI software option (NC Standard) HST3000-SPE Spectral Noise software option HST3000S-UNISTIM VolP signaling option for Nortel Unistim HST3000S-VMOS Video MOS analysis option HST3000S-VIDEO Video analysis option HST3000S-VIDEO Video analysis option Wideband Copper SIM Cables includes CB00688, cB00686, and (2) C70901 CB-WBII-PKG2 International centric cable package includes CB00688 Tip(A) - Ring(B) - Ground 4MM connectors CB00688 Tip(A) - Ring1(B1) -Ground 4MM connectors C0901 4MM Telco Lineman Clips S1505 4MM (Dip Package)		HST3000S-SIP	VoIP Signalling option for SIP call control
d dual HS13000-PCMTIMS TIMS (PCM) software option option HST3000-TIDDS DDS-T1 software option hST3000-PRI ISDN PRI software option (NC Standard) hST3000-SMOS MOS (Mean Opinion Score) Analysis option hST3000S-UNISTIM VolP signaling option for Nortel Unistim hST3000S-VMOS Video MOS analysis option hST3000S-VIDEO Video analysis option wideband Copper SIM Cables includes CB00688, cB00686, and (2) C70901 cB-WBII-PKG1 North America centric cable package includes CB00688, CB00686, and S1505 CB00688 cB00688 Tip(A) - Ring(B) - Ground 4MM connectors cB00686 Tip1(A1) - Ring1(B1) -Ground 4MM connectors cS1505 4MM Clin Package	2	HST3000-PCMSIG	Signalling (PCM) software option
HS13000-TIDDS DDS-T1 software option option HST3000-PRI ISDN PRI software option (NC Standard) option HST3000-PRI ISDN PRI software option (NC Standard) hST3000-SMOS MOS (Mean Opinion Score) Analysis option hST3000S-UNISTIM VolP signaling option for Nortel Unistim hST3000S-VMOS Video MOS analysis option hST3000S-VIDEO Video analysis option wideband Copper SIM Cables includes CB00688, cB00686, and (2) C70901 cB-WBII-PKG1 North America centric cable package includes CB00688, CB00686, and S1505 CB00688 cB00688 Tip(A) - Ring(B) - Ground 4MM connectors cB005DN C70901 4MM Telco Lineman Clips cusIM S1505 4MM (Lip Package)		HST3000-PCMTIMS	TIMS (PCM) software option
HS13000-PRI ISDN PRI software option (NC Standard) option HS13000-SPE Spectral Noise software option hST3000-SPE Spectral Noise software option HS13000S-MOS MOS (Mean Opinion Score) Analysis option hST3000S-VMOS Video MOS analysis option HST3000S-VIDE0 Video analysis option Wideband Copper SIM Cables Includes CB00688, CB00686, and (2) C70901 CB-WBII-PKG1 International centric cable package includes CB00688, CB00686, and S1505 CB00688 CB00688 Tip(A) - Ring(B) - Ground 4MM connectors CB00686 Tip1(A1) - Ring1(B1) -Ground 4MM connectors CUSIM S1505		HST3000-T1DDS	DDS-T1 software option
Arristouo-sPE Spectral Noise Software Option option HST30005-MOS MOS (Mean Opinion Score) Analysis option HST3000S-UNISTIM VolP signaling option for Nortel Unistim HST3000S-VIDE0 Video MOS analysis option HST3000S-VIDE0 Video analysis option Wideband Copper SIM Cables Includes CB00688, CB00686, and (2) C70901 CB-WBII-PKG1 International centric cable package includes CB00688, CB00686, and S1505 CB00688 CB00688 Tip(A) - Ring(B) - Ground 4MM connectors CB005DN C0901 4MM Telco Lineman Clips S1505 4MM (Jin Package)		HST3000-PRI	ISDN PRI software option (NC Standard)
HS13000S-MOS MOS (Mean Opinion Score) Analysis option option HS13000S-UNISTIM VolP signaling option for Nortel Unistim HS13000S-UNISTIM VolP signaling option for Nortel Unistim HS13000S-VIDE0 Video Analysis option Wideband Copper SIM Cables Wideband Copper SIM Cables mark CB-WBII-PKG1 North America centric cable package includes CB00688, CB00686, and (2) C70901 cB-WBII-PKG2 International centric cable package includes CB00688, CB00686, and S1505 CB00688 Tip(A) - Ring(B) - Ground 4MM connectors CB00686 Tip1(A1) - Ring1(B1) - Ground 4MM connectors Cu SIM S1505 4MM (Lip Package)	•	HST3000-SPE	Spectral Noise software option
HS13000S-UNISTIM VolP signaling option for Nortel Unistim option HST3000S-VMOS Video MOS analysis option HST3000S-VIDE0 Video analysis option mark Wideband Copper SIM Cables mark CB-WBII-PKG1 North America centric cable package oPOTS Includes CB00688, CB00686, and (2) C70901 CB-WBII-PKG2 International centric cable package includes CB00688 CB00688 CB00688 Tip(A) - Ring(B) - Ground 4MM connectors C0901 4MM Telco Lineman Clips S1505 4MM (Jin Package)		HST3000S-MOS M	OS (Mean Opinion Score) Analysis option
option HS150005-VM03 Videb MOS analysis option mark Wideband Copper SIM Cables mark Bark mark Wideband Copper SIM Cables cB-WBII-PKG1 North America centric cable package oPOTS Includes CB00688, CB00686, and (2) C70901 cB-WBII-PKG2 International centric cable package includes CB00688 CB00688 CB-WBII-PKG2 International centric cable package includes CB00688, CB00686, and S1505 CB00688 CB00688 Tip(A) - Ring(B) - Ground 4MM connectors CD05DN CM0686 Tip1(A1) - Ring1(B1) - Ground 4MM connectors Cu SIM S1505 4MM (Jin Package)		HST3000S-UNISTIM	VoIP signaling option for Nortel Unistim
Imark Wideband Copper SIM Cables mark Wideband Copper SIM Cables oPOTS Includes CB00688, CB00686, and (2) C70901 oPOTS CB-WBII-PKG2 International centric cable package r. R SIM includes CB00688, CB00686, and (2) C70901 CB-WBII-PKG2 International centric cable package includes CB00688, CB00686, and S1505 CB00688 CB00688 Tip(A) - Ring(B) - Ground 4MM connectors CB00686 Tip1(A1) - Ring1(B1) - Ground 4MM connectors C0901 4MM Telco Lineman Clips S1505 4MM (Im Package)		HST3000S-VMOS	Video MOS analysis option
mark Wideband Copper SIM Cables oPOTS CB-WBII-PKG1 North America centric cable package oPOTS includes CB00688, CB00686, and (2) C70901 CB-WBII-PKG2 International centric cable package rs SIM includes CB00688, CB00686, and S1505 R SIM includes CB00688, CB00686, and S1505 CB00688 Tip(A) - Ring(B) - Ground 4MM connectors CB00686 Tip1(A1) - Ring1(B1) - Ground 4MM connectors C0901 4MM Telco Lineman Clips S1505 4MM (Jin Package)		HST3000S-VIDEO	Video analysis option
oPOTS CB-WBII-PKG1 North America centric cable package includes CB00688, CB00686, and (2) C70901 oPOTS CB-WBII-PKG2 International centric cable package includes CB00688, CB00686, and S1505 R SIM CB00688 Tip(A) - Ring(B) - Ground 4MM connectors CB00686 CB00686 Tip1(A1) - Ring1(B1) - Ground 4MM connectors C70901 Cu SIM S1505 4MM (Lin Package)		Wideband Cop	per SIM Cables
oPOTS CB-WBII-PKG2 International centric cable package -R SIM includes CB00688, CB00686, and S1505 -R SIM includes CB00688, CB00686, and S1505 OISDN CB00688 Tip(A) - Ring(B) - Ground 4MM connectors CB00686 Tip1(A1) - Ring1(B1) - Ground 4MM connectors C0901 4MM Telco Lineman Clips S1505 4MM (lin Package)		CB-WBII-PKG1	North America centric cable package
oPOTS CB-WBII-PKG2 International centric cable package R SIM includes CB00688, CB00686, and S1505 CB00688 Tip(A) - Ring(B) - Ground 4MM connectors c0ISDN CB00686 Tip1(A1) - Ring1(B1) - Ground 4MM connectors c0ISDN C70901 4MM Telco Lineman Clips cu SIM S1505 4MM (Jin Package)		inc	ludes CB00688,CB00686, and (2) C70901
R SIM includes CB00688, CB00686, and S1505 R SIM CB00688 Tip(A) - Ring(B) - Ground 4MM connectors IoISDN CB00686 Tip1(A1) - Ring1(B1) - Ground 4MM connectors IoISDN C70901 4MM Telco Lineman Clips S1505 AMM (Jin Package)			
R SIM CB00688 Tip(A) - Ring(B) - Ground 4MM connectors IoISDN CB00686 Tip1(A1) - Ring1(B1) - Ground 4MM connectors IoISDN C70901 4MM Telco Lineman Clips S1505 AMM (Jin Package)			
INSDN C70901 4MM Telco Lineman Clips Cu SIM S1505 4MM (Lin Package		CB00688 Ti	
LoISDN C70901 4MM Telco Lineman Clips Cu SIM S1505 4MM Clip Package		CB00686 Tip1(A	1) - Ring1(B1) -Ground 4MM connectors
X1505 AMM (In Packade			
nk SIM		S1505	4MM Clip Package
	nk SIM		

WBII Only SIMs HST3000-WBII (CHST-	
,	/BII and VDSL/VDSL2 SIMs
(Modules)	
HST3000-VDSL-CNXT	VDSL with Connexant Chipset SIM
HST3000-CUVDSL-CN	
	Chipset SIM
HST-3000-VDSL-CNX1	I-WB2 VDSL and copper (up to 30 MHz)
	with Connexant Chipset SIM
HST3000-VDSL-IK	VDSL with Ikanos Chipset SIM
HST3000-CUVDSL-IK	VDSL and copper with Ikanos
	Chipset SIN
HST-3000-VDSL-IK-W	
	with Ikanos Chipset SIM
HST3000-VDSL-INF	VDSL with Infineon Aware Chipset SIM
HST3000-CUVDSL-INF	
	Infineon Aware Chipset SIN
HST-3000-VDSL-INF-V	•
	with Infineon Aware Chipset SIM
Available SIMS	(Modules)
HST3000-DC	Datacom SIN
HST3000-4WLL	4 wire local loop
HST3000-T1	Dual TX/RX bantam T1 interface
	and T1 software option
HST3000-CT1	Dual T/R/G interface for copper testing
	and dual TX/RX bantam T1
HST3000-T3 D	ual TX/RX bantam T1 interface, and dua
RX/single TX BN	C DS3 interface and DS3 software optior
HST3000-BRI	ISDN BRI option
HST3000-ARCE	ADSL (ATU-R) option
HST3000-CAR	Copper (ATU-R) option
HST3000-CU D	ual T/R/G interface to copper test optior
HST-GSH	G.SHDSL option
HST3000-CuCE	Cu only SIM, CE mark
HST3000-CARCE	Cu and ATU-R (Annex A) SIM, CE mark
HS13000-ARCA	ATU-R/C dual mode SIM, AoPOTS
	,
HST3000-CARCA	Cu and ATU-R/C dual mode SIM, AoPOTS
HST3000-CARCA HST3000-ARB	Cu and ATU-R/C dual mode SIM, AoPOTS Annex B ATU-R SIM
HST3000-CARCA HST3000-ARB HST3000-CARB	Cu and ATU-R/C dual mode SIM, AoPOT Annex B ATU-R SIN Annex B Cu/ATU-R SIN
HST3000-ARB	Cu and ATU-R/C dual mode SIM, AoPOTS Annex B ATU-R SIM Annex B Cu/ATU-R SIM ATU-R/C dual mode SIM, AoISDM
HST3000-CARCA HST3000-ARB HST3000-CARB HST3000-ARCB	Cu and ATU-R/C dual mode SIM, AoPOTS Annex B ATU-R SIM Annex B Cu/ATU-R SIM ATU-R/C dual mode SIM, AoISDN Cu and ATU-R/C dual mode SIM, AoISDN
HST3000-CARCA HST3000-ARB HST3000-CARB HST3000-ARCB HST3000-CARCB	Cu and ATU-R/C dual mode SIM, AoPOTS Annex B ATU-R SIM Annex B Cu/ATU-R SIM ATU-R/C dual mode SIM, AoISDM Cu and ATU-R/C dual mode SIM, AoISDM G.SHDSL and Cu SIM
HST3000-CARCA HST3000-ARB HST3000-CARB HST3000-ARCB HST3000-CARCB HST3000-CSHCE	Cu and ATU-R/C dual mode SIM, AoPOTS Annex B ATU-R SIM Annex B Cu/ATU-R SIM ATU-R/C dual mode SIM, AoISDN Cu and ATU-R/C dual mode SIM, AoISDN G.SHDSL and Cu SIM Blank SIM
HST3000-CARCA HST3000-ARB HST3000-CARB HST3000-ARCB HST3000-CARCB HST3000-CSHCE HST3000-BLK	Cu and ATU-R/C dual mode SIM, AoPOTS Annex B ATU-R SIM Annex B Cu/ATU-R SIM ATU-R/C dual mode SIM, AoISDN Cu and ATU-R/C dual mode SIM, AoISDN G.SHDSL and Cu SIM Blank SIM ISDN BRA SIM
HST3000-CARCA HST3000-ARB HST3000-ARCB HST3000-ARCB HST3000-CARCB HST3000-CSHCE HST3000-BLK HST-BRA ETSI (Euro)	Cu and ATU-R/C dual mode SIM, AoPOTS Annex B ATU-R SIM Annex B Cu/ATU-R SIM ATU-R/C dual mode SIM, AoISDN Cu and ATU-R/C dual mode SIM, AoISDN G.SHDSL and Cu SIM Blank SIM ISDN BRA SIM (Euro) ISDN BRA SIM
HST3000-CARCA HST3000-CARB HST3000-CARB HST3000-CARCB HST3000-CARCB HST3000-CSHCE HST3000-BLK HST-BRA ETSI (Euro) HST-BRA ETSI HST3000-ETH	Cu and ATU-R/C dual mode SIM, AoPOTS Annex B ATU-R SIM Annex B Cu/ATU-R SIM ATU-R/C dual mode SIM, AoISDM Cu and ATU-R/C dual mode SIM, AoISDM G.SHDSL and Cu SIM Blank SIM ISDN BRA SIM (Euro) ISDN BRA SIM 10/100/1000 Ethernet SIM
HST3000-CARCA HST3000-ARB HST3000-CARB HST3000-ARCB HST3000-CARCB HST3000-CSHCE HST3000-BLK HST-BRA ETSI (Euro) HST-BRA ETSI HST3000-ETH	Cu and ATU-R/C dual mode SIM, AoPOTS Annex B ATU-R SIM Annex B Cu/ATU-R SIM ATU-R/C dual mode SIM, AoISDN Cu and ATU-R/C dual mode SIM, AoISDN G.SHDSL and Cu SIM Blank SIM ISDN BRA SIM (Euro) ISDN BRA SIM 10/100/1000 Ethernet SIM e Band 2 (up to 30 MHz) copper test SIM
HST3000-CARCA HST3000-CARB HST3000-CARB HST3000-CARCB HST3000-CARCB HST3000-CSHCE HST3000-BLK HST-BRA ETSI (Euro) HST-BRA ETSI HST3000-ETH HST3000-WB2 Wid	Cu and ATU-R/C dual mode SIM, AoPOTS Annex B ATU-R SIM Annex B Cu/ATU-R SIM ATU-R/C dual mode SIM, AoISDN Cu and ATU-R/C dual mode SIM, AoISDN G.SHDSL and Cu SIM Blank SIM ISDN BRA SIM (Euro) ISDN BRA SIM 10/100/1000 Ethernet SIM ADSL1/2/2+ (ATU-R, Annex A)
HST3000-CARCA HST3000-ARB HST3000-CARB HST3000-CARCB HST3000-CARCB HST3000-CSHCE HST3000-BLK HST-BRA ETSI (Euro) HST-BRA ETSI (Euro) HST-BRA ETSI HST3000-ETH HST3000-R2A HST3000-AR2B	ATU-R/C dual mode SIM, AoPOTS Cu and ATU-R/C dual mode SIM, AoPOTS Annex B ATU-R SIM Annex B Cu/ATU-R SIM ATU-R/C dual mode SIM, AoISDN Cu and ATU-R/C dual mode SIM, AoISDN G.SHDSL and Cu SIM Blank SIM ISDN BRA SIM (Euro) ISDN BRA SIM 10/100/1000 Ethernet SIM e Band 2 (up to 30 MHz) copper test SIM ADSL1/2/2+ (ATU-R, Annex A) ADSL1/2/2+ (ATU-R, Annex A)

Test & Measurement Regional Sales

NORTH AMERICA TEL: 1 866 228 3762 FAX: +1 301 353 9216 LATIN AMERICA

TEL: +55 11 5503 3800 FAX: +55 11 5505 1598

TEL: +852 2892 0990 FAX: +852 2892 0770

EMEA

ASIA PACIFIC

TEL: +49 7121 86 2222 FAX: +49 7121 86 1222

WEBSITE: www.jdsu.com

www.valuetronics.com