








Beam Product Comparison Table

Released: February 2007

Beam Satellite Equipment






Key Element	Specific Feature	Detail	Remote Satellite Terminal	Data Only Module	Voice & Data Module	In-vehicle Hands-Free Telephone	Docking Station For 9505A Handheld
			 RST100	 RST600	 RST610	 RST620	 RST310
Voice Equipment Supported			<i>RST100</i>	<i>RST600</i>	<i>RST610</i>	<i>RST620</i>	<i>RST300</i>
POTS / RJ11		<i>The following can be used;</i> <i>SMS-POTS Fixed Handsets</i> <i>Standard Phone Handsets</i> <i>Answering Machines</i> <i>Cordless Phones</i> <i>External Ringers</i> <i>PBX Integration to analog line</i> <i>Supports over 1000m / 3000' cable run</i>	Y	N	N	N	Y
Intelligent Handset		<i>Intelligent Handset Model RST970</i>	Y	N	Y	Y	Y
In-vehicle Hands-free		<i>Beam RST973 Full duplex hands-free</i>	Optional	Optional	Optional	Standard	Optional
Data Equipment Supported			<i>RST100</i>	<i>RST600</i>	<i>RST610</i>	<i>RST620</i>	<i>RST300</i>
Serial Hayes Compatible Modem		<i>DB9 Standard RS232 Comm. Port</i> <i>Support optional Serial to USB Converter</i>	Y	Y	Y	Y	Y
Service Features			<i>RST100</i>	<i>RST600</i>	<i>RST610</i>	<i>RST620</i>	<i>RST300</i>
Iridium Voice Services		<i>Post Paid</i> <i>Prepaid</i> <i>Crew Calling</i>	Y	Y	Y	Y	Y
Iridium Data Services		<i>Circuit Switched Data 2.4kbps</i> <i>direct Internet 10 kbps</i>	Y	Y	Y	Y	Y
Short Message Service (SMS)		<i>Supports SMS on Intelligent Handset</i> <i>Supports SMS through Laptop with BMS</i> <i>Remote Configuration using SMS</i> <i>Supports SMS using AT Commands</i>	Y	N	Y	Y	Y
Voicemail		<i>Intelligent Handset has Message Wait Indication</i> <i>Message Waiting "DING"</i> <i>Message Waiting LED (Selected Providers)</i>	Y	N	Y	Y	Y
Short Burst Data		<i>Support Mobile originated SBD</i> <i>Support Mobile Terminated SBD</i>	Y	Y	Y	Y	Y
POTS / RJ11 Connectivity			<i>RST100</i>	<i>RST600</i>	<i>RST610</i>	<i>RST620</i>	<i>RST300</i>
RJ11 Tone Configuration		<i>Configurable Ring Tones</i> <i>Configurable Dial Tones</i> <i>Configurable Busy Tones</i> <i>Message Waiting Stutter Dial Tones</i>	Y	N	N	N	Y
Fixed SMS-POTS		<i>Configurable SMS-POTS Delivery Options</i> <i>Enable / Disable feature</i>	Y	N	N	N	Y
Impedance / Gains		<i>Configurable gain settings</i> <i>Configurable Impedance settings</i>	Y	N	N	N	Y
POTS PBX /PABX Integration		<i>Configurable for multi line access</i> <i>Analog line connection</i> <i>Standard local type dialling sequences</i>	Y	N	N	N	Y
POTS / RJ11 Dialling		<i>Standard Dialling Sequences</i> <i>Standard Dial tones Presented</i> <i>Complies to Country Specific Standards</i>	Y	N	N	N	Y
Phone Number Processing		<i>Pre-emptive dialling</i> <i>Configurable International dialling prefix</i> <i>Configurable Country Code dialling prefix</i> <i>Configurable Area Code dialling prefix</i> <i>Configurable Emergency Call handling</i> <i>Configurable Voicemail Access Number</i> <i>Short Code Access</i>	Y	N	N	N	Y
RJ11/POTS Specialised Features		<i>Configurable Off hook idle time out</i> <i>Battery Save Mode for Solar applications</i> <i>Line reversal for pay/card phone use</i> <i>Echo Cancellation technology</i> <i>Configurable DTMF sensing</i> <i>Inactivity Timer</i> <i>Power Saving Modes</i>	Y	N	N	N	Y
Service Warning Tones		<i>Low Signal tone</i> <i>SIM PIN Request tone</i> <i>SIM Blocked warning tone</i> <i>Configurable SMS Waiting "DING"</i>	Y	N	N	N	Y



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Beam Firmware							
	Operating Firmware	<i>Upgradeable locally</i>	Y	N	N	N	Y
		<i>Uses Beam Management System</i>	Y	N	N	N	Y
		<i>Simple fixes if required</i>	Y	N	N	N	Y
	Remote Configuration	<i>Changes via SMS</i>	Y	N	N	N	Y
		<i>Changes via SBD</i>	Y	N	N	N	Y
		<i>Remote Reset</i>	Y	N	N	N	Y
		<i>Change any configurable settings</i>	Y	N	N	N	Y
		<i>Restore factory defaults</i>	Y	N	N	N	Y
		<i>Change PIN number</i>	Y	N	N	N	Y
		<i>Change PIN Request</i>	Y	N	N	N	Y
		<i>Remote Status / Diagnostics</i>	Y	N	N	N	Y
		<i>SMSC modification</i>	Y	N	N	N	Y
		<i>SIM Lock/Unlock</i>	Y	N	N	N	Y
		<i>Flash Upgrade</i>	Y	N	N	N	Y
		<i>SMS/SBD composing</i>	Y	N	N	N	Y
		<i>SMS Reading</i>	Y	N	N	N	Y
		<i>SMS Replying</i>	Y	N	N	N	Y
		<i>SMS Deleting</i>	Y	N	N	N	Y
	Logging	<i>Call loggings</i>	Y	N	N	N	Y
		<i>Error logs</i>	Y	N	N	N	Y
		<i>Message logs</i>	Y	N	N	N	Y
	Status	<i>Temperature</i>	Y	N	N	N	Y
		<i>Firmware</i>	Y	N	N	N	Y
		<i>Call logs</i>	Y	N	N	N	Y
Specialised Features Supported							
	Using Beam TrackALERT Interface	SSAS Ship Security Alert System	Y	Y	Y	Y	Y
		Asset Tracking	Y	Y	Y	Y	Y
		Remote Monitoring	Y	Y	Y	Y	Y
		Vessel Tracking	Y	Y	Y	Y	Y
	Battery Backup	<i>Beam RST050</i>	Y	With DC-DC Converter	Y	Y	Y
		<i>Total Standby Hours</i>	24	48	48	48	24
		<i>Total Talk Time Hours</i>	2	4	4	4	2
	Solar Compatibility	<i>Various Solar Options</i>	Y	With DC-DC Converter	Y	Y	Y
		<i>Solar Battery Backup RST050 capable</i>	Y	Y	Y	Y	Y
Voice Equipment Supported							
	POTS / RJ11	<i>The following can be used;</i>					
		<i>Standard Phone Handsets</i>	Y	N	N	N	Y
		<i>Answering Machines</i>	Y	N	N	N	Y
		<i>Cordless Phones</i>	Y	N	N	N	Y
		<i>External Ringers</i>	Y	N	N	N	Y
		<i>PBX Integration to analog line</i>	Y	N	N	N	Y
		<i>Supports over 1000m / 3000' cable run</i>	Y	N	N	N	Y
	Intelligent Handset	<i>Intelligent Handset Model RST970</i>	Y	N	Y	Y	Y
	In-vehicle Hands-free	<i>Beam RST973 Full duplex hands-free</i>	Optional	N	Optional	Standard	Optional
Data Equipment Supported							
	Serial Hayes Compatible Modem	<i>DB9 Standard RS232 Comm. Port</i>	Y	Y	Y	Y	Y
		<i>Support optional Serial to USB Converter</i>	Y	Y	Y	Y	Y
Terminal Connectors							
	RJ11	<i>POTS/RJ11Rear Panel x 2</i>	Y	N	N	N	Y
		<i>For use with standard phone equipment</i>					
	RJ45	<i>Rear Panel, For use with ;</i>	Y	N	Y	Y	Y
		<i>Intelligent Handset</i>	Y	N	Y	Y	Y
		<i>In-vehicle Hands-free</i>	Y	N	Y	Y	Y
	TNC	<i>Iridium Antenna Connector</i>	Y	Y	Y	Y	On Handheld
	Positive loc DC +/-	<i>11-32V DC Input</i>	Y	Y	Y	Y	Y
	DB9	<i>Serial RS232 Comm. Port</i>	Y	Y	Y	Y	Y
	DB9	<i>Beam Log Port for configuration</i>	Y	N	N	N	Y
		<i>Also connect TrackALERT Interface</i>	Y	N	N	N	Y
	DB9	<i>Remote Status Indicator</i>	Y	N	N	N	N



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Terminal Display			<i>RST100</i>	<i>RST600</i>	<i>RST610</i>	<i>RST620</i>	<i>RST300</i>
Signal	Multi Coloured LED/Display		Y	N	N	N	Y
SMS Waiting	Multi Coloured LED/display		Y	N	N	Y	Y
Voicemail Waiting	Multi Coloured LED/Display		Y	N	N	Y	Y
Power Input	Multi Coloured LED		Y	N	Y	Y	Y
RX/TX	Multi Coloured LED/Display		Y	N	Y	N	Y
In-Call	Multi Coloured LED/Display		Y	N	N	Y	Y
Packaged Kit			<i>RST100</i>	<i>RST600</i>	<i>RST610</i>	<i>RST620</i>	<i>RST300</i>
Contents	Terminal		Y	Y	Y	Y	Y
	Mounting Brackets		Y	Y	Y	N	Y
	AC/DC 110/240V Power Pack		Y	Y	Y	Y	Y
	Installation & User Guide		Y	Y	Y	Y	Y
	Configuration Manual on CD		Y	Y	N	N	N
	RS232 Data Cable		Y	Y	Y	Y	Y
	Country Specific AC Cord Required		Y	N	Y	N/A	Y
Optional Accessories			<i>RST100</i>	<i>RST600</i>	<i>RST610</i>	<i>RST620</i>	<i>RST300</i>
Tracking / Monitoring / SSAS	Beam TrackALERT Built in GPS		RST030	RST030S	RST030S	RST030S	RST030
Intelligent Handset	RST970		Y	N	Y	Standard Item	Y
Battery Backup	RST050		Y	Y	Y	Y	Y
In-Vehicle Hands-free	RST973		Y	Refer RST620	Y	Standard Item	Y
Extension / External Ringer	RST952 POTS/RJ11 Ringer		Y	N	N	N/A	N
	RST953 Serial Ringer		Y	N	N	N/A	Y
	Hoer Alert Capable					Y	
Antenna	Mast Mount	RST910	Y	Y	Y	Y	Y
	Magnetic Mount	RST915	Y	Y	Y	Y	Y
	Bolt Mount	RST920	Y	Y	Y	Y	Y
	Airborne	RST918	Y	Y	Y	Y	Y
Certification			<i>RST100</i>	<i>RST600</i>	<i>RST610</i>	<i>RST620</i>	<i>RST300</i>
Authorities	C-Tick		Y	Y	Y	Y	Y
	CE mark		Y	Y	Y	Y	
	A-Tick		Y	Y	Y	Y	N/A
Testing Laboratories	IEC60945		Y	N	N	N	Y
	Corrosion / Vibration, Salt Spray, Heat / Cold		Y	N	N	N	N
Classification Bodies	Germanischer Lloyd		Y	N	N	N	N
	American bureau Shipping : ABS		Y	N	N	N	N
Specifications			<i>RST100</i>	<i>RST600</i>	<i>RST610</i>	<i>RST620</i>	<i>RST300</i>
Dimensions	L x W x H (millimetres)		290 X 225 X 60	200 X 110 X 40	357 X 80 X 45	200 X 110 X 40	290 X 225 X 60
	L x W x H (Inches)		11.5 X 8.8 x 2.3	7.8 X 4.3 X 1.5	14 X 3.1 X 1.7	7.8 X 4.3 X 1.5	11.5 X 8.8 x 2.3
Weight	Kg's		2.5	1.1	0.6	1.2	1.6
	Pounds		5.5	2.4	1.3	2.5	3.5
Environment	Operating Temperature Range		0°C to +60°C	0°C to +60°C	-20°C to +60°C	-20°C to +60°C	0°C to +60°C
	Operating Humidity Range		< 85% RH	< 85% RH	< 85% RH	< 85% RH	< 85% RH
	Storage Temperature Range		-40°C to +85°C	-40°C to +85°C	-40°C to +85°C	-40°C to +85°C	-40°C to +85°C
	Full Conformal Coated for Corrosion Resistance		Y	N	Y	Y	Y
Power Input	DC Power Input		11-32V DC	4.5V DC	11-32V DC	11-32V DC	11-32V DC
Power Consumption	Power Consumption Standby @ 24Volts (AMPS)		0.17	N/A	0.04	0.04	0.17
	Power Consumption Talktime @ 24Volts (AMPS)		0.26	N/A	0.08	0.08	0.26
	Power Consumption Standby @ 4.4Volts (AMPS)			0.10			
	Power Consumption Talktime @ 4.4Volts (AMPS)			0.20			
Housing	Aluminium extrusion		Y	N	Y	Y	Y
SIM Reader	In-built Secure SIM Card Reader		Y	Y	Y	Y	Y

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