SyncML Client &
Server Solutions

Sustainable Software
Concepts

SYNTHESIS AG

Synthesis SyncML Client for PDA Specification Sheet

This Specification Sheet was created for Synthesis SyncML Clients Versions 3.0.2.22

Features common for PRO + STD Version:

SyncML/OMA-DS Standards supported	1.2, 1.1.2, 1.1, 1.0
Mobile Operating Systems supported	• PalmOS 4,5 • Windows Mobile 6 (Professional, Standard and Classic) • Windows Mobile 5 (PocketPC + Smartphone) • Windows Mobile 2003 (PocketPC + Smartphone) • PocketPC 2002
Data Types	• Contacts (vCard 2.1 or vCard 3.0) • Events (vCalendar/vEvent 1.0) • Todo (vCalendar/vTodo 1.0) • Notes (text/plain, PalmOS only)
Data options	• GUI support for date range filtering ("/dr" CGI option, not supported by all servers)
Suspend/Resume support	• Explicit (user initiated) or implicit (network connection abort) suspend • resume of slow sync and partially transmitted large items
Sync log	logs number of changes in server and client for each sync
SyncML authentication	basic, MD5
Data Transport	HTTP, HTTPS (on Palm platform, HTTPS requires PalmOS 5.2 or later)
HTTP authentication	none, basic, digest
Proxy support	HTTP (with authentication), SOCKS
Software updates	Built-in user initiated "Check for update" with direct update into device
Evaluation / Demo	runs in free demo mode for 30 days after first use
Licensing	License can be purchased on-line and entered into installed software on device to make it operate permanently

Licensing options	• bound to specific server type • bound to specific service URL • with on-line activation
Provisioning / Pre-configuration	Re-sellers and large account customers can package the software with custom settings and license through built-in pro-visioning mechanism.

Features of PRO Version only

Additional Data Types	• Emails (RFC 822/2822 and MIME based) including attachments (Windows Mobile only) • transport bandwidth efficient compressed email format (application/x-zip-message) with zip compressed data and binary attachment encoding.
Additional Data options	• GUI support for email size limit ("/li" CGI option, not supported by all servers) • Mark-For-Download for emails in the inbox (Windows Mobile only)
Automatic sync	• Scheduled sync on specified weekdays and time of day, optionally dependent on battery level • Separate sync interval for mobile and cradled operation
Push / Server alerted sync	• SAN support on devices with platform support for receiving binary SMS • Support for proprietary inter.net DMU notification (TCP/IP based)
Multiple profiles	unlimited number of different profiles to synchronize with different servers
SyncML message zip compression	accepts "gzip" compressed HTTP responses for efficient bandwith usage.

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Data fields/properties supported

Datatype	Windows Mobile	PalmOS
Contacts (vCard 2.1, vCard 3.0)	N, FN, TITLE, ORG, BDAY, TEL (11 instances; HOME,WORK, CELL, FAX, PAGER, CAR, MODEM), EMAIL(3 instances), ADR (3 instances; WORK, HOME), URL, CATEGORIES, NOTE, PHOTO (Windows Mobile 5 and later only)	N, FN (read only), TITLE, ORG, BDAY, CLASS, TEL(max 8 instances; HOME,WORK, CELL, FAX, PAGER), EMAIL(max 8 instances), ADR(max 3 instances; WORK, HOME), URL, CATEGORIES, NOTE; Treo650 and newer only: PHOTO (JPEG), X-MOZILLA-CUSTOM1..9 (custom address book fields)
Events (vCalendar 1.0, vEvent)	SUMMARY, LOCATION, DESCRIPTION, CATEGORIES, CLASS, DTSTART, DTEND, TRANSP, RRULE, EXDATE, AALARM, DALARM, ATTENDEE	SUMMARY, DESCRIPTION, CATEGORIES, CLASS, DTSTART, DTEND, TRANSP, RRULE, EXDATE, AALARM, DALARM; Treo650 and newer only: LOCATION
Tasks (vCalendar 1.0, vTodo)	SUMMARY, DESCRIPTION, CATEGORIES, CLASS, DUE, DTSTART, COMPLETED, RRULE, EXDATE, AALARM, DALARM, PRIORITY, STATUS	SUMMARY, DESCRIPTION, CATEGORIES, CLASS, DUE, PRIORITY, STATUS; Treo 650 and newer only: COMPLETED, RRULE, AALARM, DALARM
Notes (text/plain)	n/a	plain text, multiline, first line treated as subject
Emails (PRO version only)	Subject, From, To, Cc, Bcc, Date, X-Sync-Parent-Folder, X-Sync-Lastmodified, X-Sync-Message-Read, X-Sync-Message-Limit RFC822 plain text body with mime/multipart attachments	Subject, From, To, Cc, Bcc, Date, X-Sync-Parent-Folder, X-Sync-Lastmodified, X-Sync-Message-Read, X-Sync-Message-Limit RFC822 plain text body, attachments ignored