

# Celego CD21 USB - Data Sheet



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# Celego CD21 USB - Data Sheet

||||| CD21 USB Short product sheet

<b>Product Status</b> <b>Product Name</b> <b>Product life status</b> <b>Certifications</b>	CD21 USB Pilot phase Calypso Networks Association certification: Rev 2.4 Innovatron certification and test.
<b>Main characteristics</b> <b>Chip</b> <b>EEPROM</b> <b>Standard configuration</b> <b>Custom configuration</b>	ST19WR02 Rev E 2 kbytes CD Light, CD97 implementation. Any requested structure within memory space
<b>Standard Compliance</b> <b>Calypso Optional E-Purse</b> <b>Optional Innovatron protocol</b> <b>Post Issuance configuration</b>	Supported Supported Files creation not allowed after pre-personalization
<b>Contact Interface</b> <b>USB 2.0</b> <b>Plug and Play</b>	Full Speed: 12 Mbits/s Yes
<b>Contactless Interface</b> <b>Standard compliance</b>  <b>Baud Rate</b> <b>Operating Frequency</b>	ISO 14443 -2, -3, -4 Type B 106kb to 412 kbds both ways. 13,56MHz
<b>Cryptographic algorithms</b> <b>DES/DESX</b> <b>3 DES</b> <b>Proprietary hash</b>	Yes Yes Yes (MAC computed during secure session)
<b>USB key</b> <b>Type</b> <b>Standard compliance</b> <b>Material</b> <b>Antenna</b>	USB or Full contactless. PC/SC environment with associated driver. Compliant to ROHS, EN60950/UL950/CSA950 Key size limited

Changes are periodically added to the information herein. Furthermore, Gemalto reserves the right to make any change or improvement in the specifications data, information, and the like described herein, at any time.



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