

TOPEX Access DATA

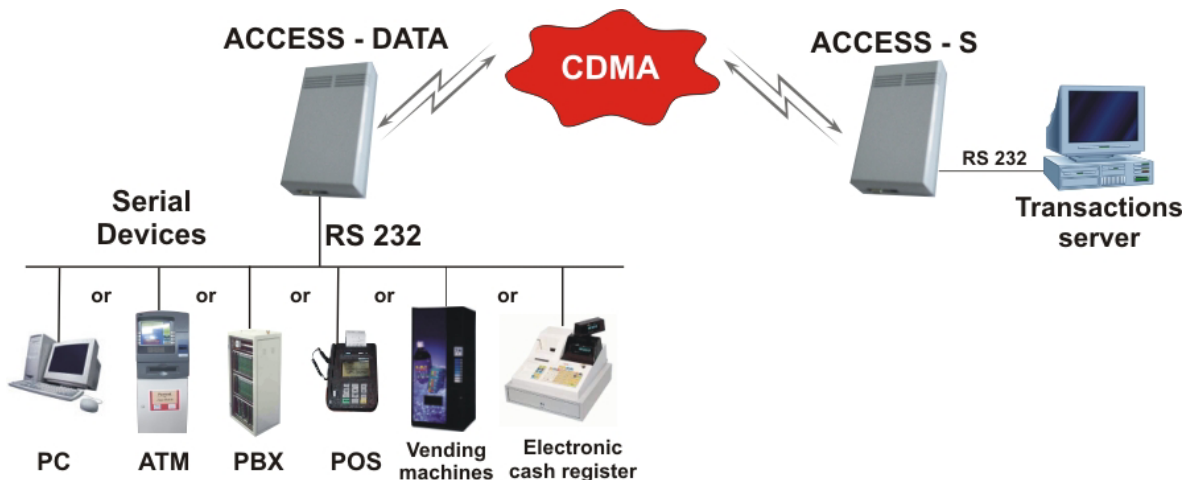
What is Access DATA?

Access DATA allows the connection of serial devices to the CDMA mobile communications network. It achieves a direct connection between a serial interface RS 232 and the CDMA wireless network, through a Hyundai mobile phone.



Features

- Allows connecting serial devices to the network CDMA 450 MHz
- RS 232 interface for serial devices
- TCP/IP protocol over the serial interface
- The working parameters may be changed by the user in the configuration menu of the equipment
- Configuration interface accessible via serial port
- In case of power failure, the operating parameters are saved in a non-volatile memory type Flash

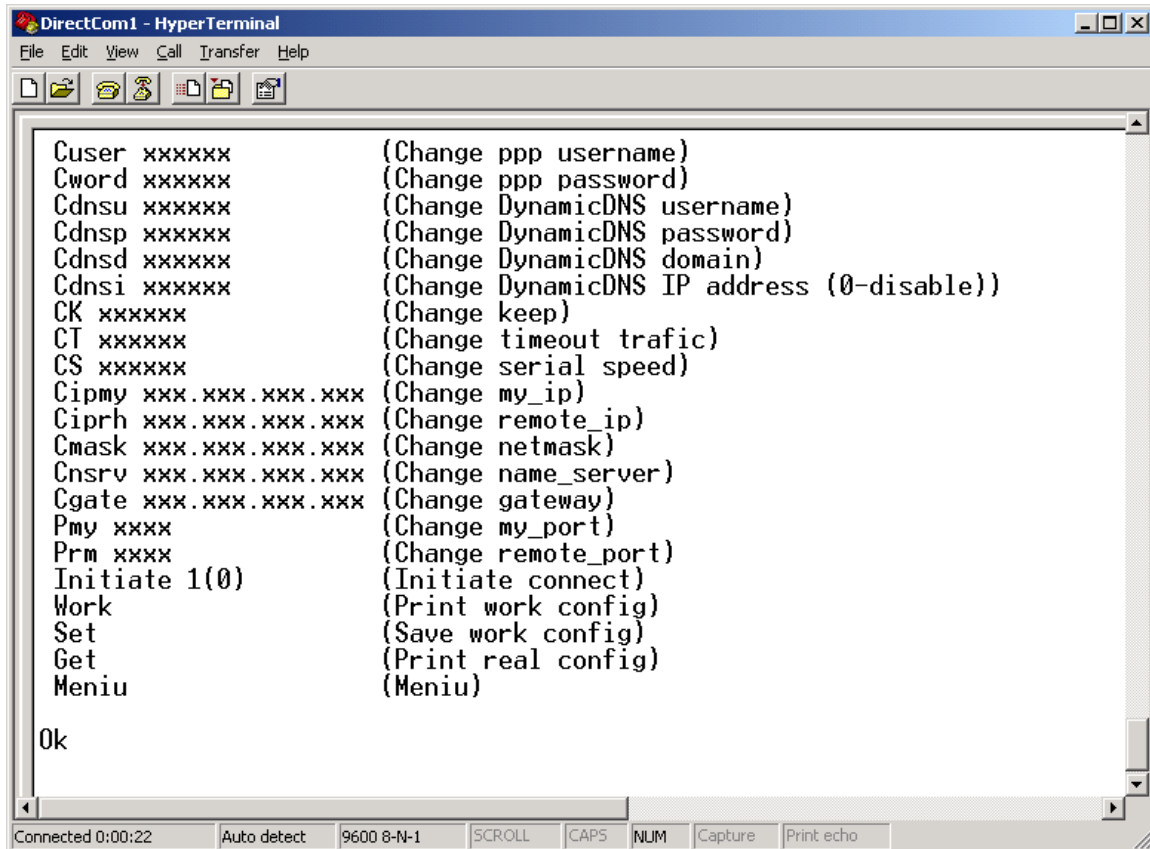


Product description

Access DATA allows connecting the serial devices to the CDMA mobile telephony network. The equipment achieves a direct connection between a serial interface (RS 232) and the CDMA network, by using as modem a Hyundai mobile phone.

The configuration of the equipment is achieved via serial port from a desktop computer or a notebook, using a program that emulates a serial port, such as HyperTerminal in Windows, Term95 under DOS, MiniCom in Linux.

You may configure: the IP address to which the data packets will be sent, the communications port, the address of the DNS server, timeout parameters, etc.



The image shows a screenshot of a HyperTerminal window titled "DirectCom1 - HyperTerminal". The window has a menu bar with "File", "Edit", "View", "Call", "Transfer", and "Help". Below the menu bar is a toolbar with icons for file operations and terminal functions. The main area of the window displays a configuration menu with the following items:

```
Cuser xxxxxx      (Change ppp username)
Cword xxxxxx      (Change ppp password)
Cdnsu xxxxxx      (Change DynamicDNS username)
Cdnsr xxxxxx      (Change DynamicDNS password)
Cdnsd xxxxxx      (Change DynamicDNS domain)
Cdnsi xxxxxx      (Change DynamicDNS IP address (0-disable))
CK xxxxxx         (Change keep)
CT xxxxxx         (Change timeout traffic)
CS xxxxxx         (Change serial speed)
Cipmy xxx.xxx.xxx.xxx (Change my_ip)
Ciprh xxx.xxx.xxx.xxx (Change remote_ip)
Cmask xxx.xxx.xxx.xxx (Change netmask)
Cnsrv xxx.xxx.xxx.xxx (Change name_server)
Cgate xxx.xxx.xxx.xxx (Change gateway)
Pmy xxx          (Change my_port)
Prm xxx          (Change remote_port)
Initiate 1(0)    (Initiate connect)
Work             (Print work config)
Set              (Save work config)
Get              (Print real config)
Menu            (Menu)

Ok
```

At the bottom of the window, there is a status bar with the following information: "Connected 0:00:22", "Auto detect", "9600 8-N-1", "SCROLL", "CAPS", "NUM", "Capture", and "Print echo".

Main configuration menu in HyperTerminal for Windows

Technical specifications

WAN network	CDMA 2000 1x 450 MHz
WAN interface	Hyundai H-100, H-150
WAN port speed	Up to 153 Kbps, both upload and download
Interface to serial device	Asynchronous RS 232 DB9 connector Transfer speed: 115 kbps
Interface for configuration	RS 232 Asynchronous DB9 connector Bits per second (Baudrate): 9,600 bps Data bits: 8 Parity: none Stop bits: 1 Flow control: none
Supported protocols	TCP/IP, PPP, CHAP, PAP, ICMP
Features	Dynamic DNS
RAM memory	128 MB
Flash memory	256 MB
CDMA antenna	Antenna with magnetic base, 3 m long cable Frequency band: 450 MHz
Status indicator	Red LED, indicates supply voltage
Power supply	Adapter 230V ac/ 50Hz, 0.3A to 10V ac, 1.5A
Mass	400 g
Dimensions (L x W x H)	200 x 110 x 50 mm
Operating temperature range	5 ^o - 50 ^o C
Humidity	5 to 80 %, non-condensing