

The meaning of the "ConstOpen" parameter is different from the serial line. The TCP connection is established when the line is used for the first time and remains established (except for behavior in redundancy - see [Operation of the line in redundancy](#)).

If "ConstOpen" is checked for Line mode 1, when establishing a connection the KOM process waits for responses to all RFC2217 queries. If all responses are not received, the connection is closed.

If "ConstOpen" is unchecked for Line mode 1, when establishing a connection the KOM process does not wait for responses (except for the response to the initial WILL CPO, which detects RFC2217 support), so the connection will also work against servers that ignore some of the queries.

If "ConstOpen" is unchecked for Line mode 2, when establishing a connection the KOM process does not wait for the response to the initial WILL CPO, which detects RFC2217 support.

The following RFC2217 parameters are queried when establishing a connection:

- SIGNATURE (device identification, eg "MOXA").
- BAUDRATE (speed, eg 9600 baud)
- DATASIZE (number of bits, eg 8)
- PARITY (parity, e.g. even/odd)
- STOPSIZE (number of stop bits)
- signal states - BREAK, DTR, RTS, flow control (XON / XOFF, hardware, DCD, DTR, DSR)

and the following RFC2217 parameter is set:

- LINESTATE (setting of line status reporting - e.g. timeout error, framing error, parity error, overrun error, break-detect error)

Operation of the line in redundancy

In redundant systems (redundant D2000 servers and/or multiple instances of KOM processes), only the active KOM process connected to the D2000 Server in the HOT state opens a TCP connection. Once it becomes passive, the connection to the device is closed.

Tell command LNSTAT

The tell command [LNSTAT OPEN/CLOSE](#) stops communication (CLOSE) and closes the connection to the device. Communication resumes after the LNSTAT OPEN command or when the communication process is restarted.



Blog

You can also read the blog about the RFC2217 line:

[Communication – "RFC2217 Client" line](#)



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