

CHECKSUM

The CHECKSUM command allows you to prevent *TCP/IP for VSE* from computing and verifying checksums on incoming traffic. The parameters are explained in the following table:

Syntax: CHECKSum {Software|HARdware|O**F**f}

- Arguments:
- SOftware - The checksums of incoming datagrams are computed and validated using an internal software algorithm. This is the default.
 - OFf - The checksums of incoming datagrams are ignored. The checksums of outgoing datagrams continue to be computed using the last-specified technique, hardware or software.
 - HARdware - The checksums of incoming and outgoing datagrams are computed and validated using the hardware CHECKSUM instruction. The CHECKSUM instruction is available on most CPUs
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Example:

```
IPN237I checksum off
IPN386I Inbound Checksum set OFF
IPN300I Enter TCP/IP Command

IPN237I checksum on
IPN385I Inbound Checksum set ON
```

Exposition: Checksums are a vital part of the TCP/IP protocol. No production system should ever operate without them. You should turn checksum computation off only when you are debugging an installation or when you are trying to determine which network device is transmitting flawed data.

Related Commands: QUERY OPTIONS - Displays the current values of modifiable parameters.
