

# DOWNLOADS



**OPTICON**

OPN2001 User Parameters

## Opticon OPN2001 User Parameters

*There are no barcode changeable parameters in the OPN2001; they are only changeable by host command.*

| Parameter                       | Comments  | Min/Max Values  | Default  | Param Num |
|---------------------------------|---|---|--|-----------|
| <b>Buzzer</b>                   |   | 1=Enable<br>0=Disable   | Enabled  | 2 (0x02)  |
| <b>Reject Redundant Barcode</b> | Disabling will allow same barcode to be stored consecutively.<br>Mode 1 means that a code is allowed only if the previous code is not the same.<br>Mode 2 means that a code is allowed only if none of the previous codes are the same. | 2=Enable mode 2.<br>1=Enable mode 1.<br>0=Disable   | Disabled   | 4 (0x04)  |
| <b>Low-Battery Indication</b>   | Determines how low battery condition will be handled.   | 0=No operation<br>1=Ignore low battery<br>2=Indicate, but laser stays off<br>3=Indicate, operate normal otherwise.                                  | 3  | 7 (0x07)  |
| <b>Code128</b>                  |   | 1=Enable<br>0=Disable   | Enabled  | 8 (0x08)  |
| <b>UPC &amp; EAN</b>            |   | 1=Enable<br>0=Disable   | Enabled  | 9 (0x09)  |
| <b>Host Connect Beep</b>        |   | 1=Enable<br>0=Disable   | Enabled  | 10 (0x0a) |
| <b>Host Complete Beep</b>       |   | 1=Enable<br>0=Disable   | Enabled  | 11 (0x0b) |
| <b>Auto Clear</b>               | Clear barcodes after upload.  | 1=Enable<br>0=Disable   | Disabled   | 15 (0x0f) |
| <b>Scanner On-Time</b>          |   | 1 sec. – 10 sec. in 100 msec increments   | 30 (3.0 sec)   | 17 (0x11) |
| <b>RSS code</b>                 |   | 0 = Disable<br>1 = RSS Limited<br>2 = RSS 14<br>4 = RSS Expanded<br>(Options can be combined)   | 0  | 20 (0x14) |
| <b>Good Decode LED On Time</b>  |   | 250 ms. – 1 sec. in 250msec. Increments   | 4 (1.0 sec)  | 30 (0x1e) |
| <b>Code 39</b>                  |   | 1=Enable<br>0=Disable   | Enabled  | 31 (0x1f) |
| <b>Delete Enable</b>            | Determines operation of the Delete key, the Clear All and Set All Default functions.  | Bit 0 = Clear all<br>Bit 1 = Delete key<br>Bit 2 = Set all Default<br><br>e.g. 5 = Clear all enabled, Set all Default enabled, Delete key disabled. | 7 = Delete Enabled<br><br>Clear All Enabled<br><br>Set Default Enabled | 33 (0x21) |
| <b>Max Barcode Len</b>          |   | 1 – 30  | 30   | 34 (0x22) |
| <b>Store RTC timestamp</b>      | Store Real Time Clock data  | 1=Enable<br>0=Disable   | Enabled  | 35 (0x23) |

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|  |  |   |                   |                        |
|--|--|---|-------------------|------------------------|
| <b>UPCA Preamble</b>                         |  | 0=None<br>1=System char<br>2=System + country code          | 1 = System char   | 36 (0x24)              |
| <b>UPCE Preamble</b>                         |  | 0=None<br>1=System char<br>2=System + country code          | 1 = System char   | 37 (0x25)              |
| <b>Scratch Pad</b>                           | A 32 byte storage area unused by the OPN2001. For customer use.                  | None  | No Default Values | 38 (0x26)              |
| <b>Convert UPCE to UPCA</b>                  |  | 1=Enable<br>0=Disable                                       | Disabled          | 41 (0x29)              |
| <b>Convert EAN8 to EAN13</b>                 | Add zero's but do not change the code type                                       | 1=Enable<br>0=Disable                                       | Disabled          | 42 (0x2a)              |
| <b>Send UPCA Check Digit</b>                 |  | 1=Enable<br>0=Disable                                       | Enabled           | 43 (0x2b)              |
| <b>Send UPCE Check Digit</b>                 |  | 1=Enable<br>0=Disable                                       | Enabled           | 44 (0x2c)              |
| <b>Transmit Code 39 Check Digit</b>          |  | 1=Enable<br>0=Disable                                       | Disabled          | 45 (0x2d)              |
| <b>Code 39 Check Digit</b>                   |  | 1=Enable<br>0=Disable                                       | Disabled          | 46 (0x2e)              |
| <b>UPC/EAN Addon redundancy</b>              | # of times to decode UPC/EAN barcode without addon.                              | 2 – 20  | 2                 | 48 (0x30)              |
| <b>EAN 128</b>                               |  | 1=Enable<br>0=Disable                                       | Enabled           | 52 (0x34)              |
| <b>UPC Addon</b>                             |  | 0=No Addon<br>1=Addon Only<br>2=Both                        | 2=Both            | 53 (0x35)              |
| <b>Code 39 Full ASCII</b>                    |  | 1=Enable<br>0=Disable                                       | Disabled          | 54 (0x36)              |
| <b>Convert EAN8 to EAN13 Type</b>            | Add zero's and change code type to EAN13   | 1=Enable<br>0=Disable                                       | Disabled          | 55 (0x37)              |
| <b>Industrial 2of5</b>                       |  | 1=Enable<br>0=Disable                                       | Disabled          | 57 (0x39)              |
| <b>Interleaved 2of5</b>                      |  | 1=Enable<br>0=Disable                                       | Enabled           | 58 (0x3A)              |
| <b>Interleaved 2of5 Length 1, Length 2</b>   | One Discrete Length<br>Two Discrete Lengths<br>Length Within Range<br>Any Length | L1 = length, L2 = 0<br>L1 > L2<br>L1 < L2<br>L1 = 0, L2 = 0 | L1 = 14<br>L2 = 0 | 59 (0x3B)<br>60 (0x3C) |
| <b>Industrial 2of5 Length 1, Length 2</b>    | One Discrete Length<br>Two Discrete Lengths<br>Length Within Range<br>Any Length | L1 = length, L2 = 0<br>L1 > L2<br>L1 < L2<br>L1 = 0, L2 = 0 | L1 = 12<br>L2 = 0 | 61 (0x3D)<br>62 (0x3E) |
| <b>Convert Interleaved 2of5 to EAN 13</b>    |  | 1=Enable<br>0=Disable                                       | Disabled          | 63 (0x3F)              |
| <b>Transmit Interleaved 2of5 Check Digit</b> |  | 1=Enable<br>0=Disable                                       | Disabled          | 64 (0x40)              |
| <b>Interleaved 2of5 Check Digit</b>          |  | 0=Disabled<br>1=Enable                                      | Disabled          | 65 (0x41)              |
| <b>Beeper Toggle</b>                         | Allows user to toggle beeper On/Off with the scan key                            | 0 = No<br>1 = Yes   | 1                 | 85 (0x55)              |
| <b>Beeper ON/OFF</b>                         | Enables or disables the beeper.  | 0 = Beeper Off<br>1 = Beeper On                             | 1                 | 87 (0x57)              |