

RU CRC

```
uint16_t CRC16_Modbus(uint8_t *_pBuf, uint16_t _usLen)
```

```
{
uint8_t ucCRCHI = 0xFF; /* CRC */
uint8_t ucCRCLo = 0xFF; /* CRC */
uint16_t usIndex; /* CRC */

while (_usLen--)
{
usIndex = ucCRCHI ^ *_pBuf++; /* CRC */
ucCRCHI = ucCRCLo ^ s_CRCHI[usIndex];
ucCRCLo = s_CRCLo[usIndex];
}
return ((uint16_t)ucCRCHI << 8 | ucCRCLo);
}
```

```
// CRC
```

```
static const uint8_t s_CRCHI[] = {
0x00, 0xC1, 0x81, 0x40, 0x01, 0xC0, 0x80, 0x41, 0x01, 0xC0,
0x80, 0x41, 0x00, 0xC1, 0x81, 0x40, 0x01, 0xC0, 0x80, 0x41,
0x00, 0xC1, 0x81, 0x40, 0x00, 0xC1, 0x81, 0x40, 0x01, 0xC0,
0x80, 0x41, 0x01, 0xC0, 0x80, 0x41, 0x00, 0xC1, 0x81, 0x40,
0x00, 0xC1, 0x81, 0x40, 0x01, 0xC0, 0x80, 0x41, 0x00, 0xC1,
0x81, 0x40, 0x01, 0xC0, 0x80, 0x41, 0x01, 0xC0, 0x80, 0x41,
0x00, 0xC1, 0x81, 0x40, 0x01, 0xC0, 0x80, 0x41, 0x00, 0xC1,
0x81, 0x40, 0x00, 0xC1, 0x81, 0x40, 0x01, 0xC0, 0x80, 0x41,
0x00, 0xC1, 0x81, 0x40, 0x01, 0xC0, 0x80, 0x41, 0x01, 0xC0,
0x80, 0x41, 0x00, 0xC1, 0x81, 0x40, 0x00, 0xC1, 0x81, 0x40,
0x01, 0xC0, 0x80, 0x41, 0x01, 0xC0, 0x80, 0x41, 0x00, 0xC1,
0x81, 0x40, 0x00, 0xC1, 0x81, 0x40, 0x01, 0xC0, 0x80, 0x41,
0x01, 0xC0, 0x80, 0x41, 0x00, 0xC1, 0x81, 0x40, 0x01, 0xC0,
0x80, 0x41, 0x01, 0xC0, 0x80, 0x41, 0x00, 0xC1, 0x81, 0x40,
0x00, 0xC1, 0x81, 0x40, 0x01, 0xC0, 0x80, 0x41, 0x01, 0xC0,
0x80, 0x41, 0x00, 0xC1, 0x81, 0x40, 0x01, 0xC0, 0x80, 0x41,
0x01, 0xC0, 0x80, 0x41, 0x00, 0xC1, 0x81, 0x40, 0x01, 0xC0,
0x80, 0x41, 0x00, 0xC1, 0x81, 0x40, 0x00, 0xC1, 0x81, 0x40,
```



```
Ox01, OxCO, Ox80, Ox41, Ox01, OxCO, Ox80, Ox41, Ox00, OxC1,
Ox81, Ox40, Ox00, OxC1, Ox81, Ox40, Ox01, OxCO, Ox80, Ox41,
Ox00, OxC1, Ox81, Ox40, Ox01, OxCO, Ox80, Ox41, Ox01, OxCO,
Ox80, Ox41, Ox00, OxC1, Ox81, Ox40
};
// CRC
const uint8_t s_CRCLo[] = {
Ox00, OxCO, OxC1, Ox01, OxC3, Ox03, Ox02, OxC2, OxC6, Ox06,
Ox07, OxC7, Ox05, OxC5, OxC4, Ox04, OxCC, Ox0C, OxOD, OxCD,
OxOF, OxCF, OxCE, OxOE, OxOA, OxCA, OxCB, OxOB, OxC9, Ox09,
Ox08, OxC8, OxD8, Ox18, Ox19, OxD9, Ox1B, OxDB, OxDA, Ox1A,
Ox1E, OxDE, OxDF, Ox1F, OxDD, Ox1D, Ox1C, OxDC, Ox14, OxD4,
OxD5, Ox15, OxD7, Ox17, Ox16, OxD6, OxD2, Ox12, Ox13, OxD3,
Ox11, OxD1, OxD0, Ox10, OxFO, Ox30, Ox31, OxF1, Ox33, OxF3,
OxF2, Ox32, Ox36, OxF6, OxF7, Ox37, OxF5, Ox35, Ox34, OxF4,
Ox3C, OxFC, OxFD, Ox3D, OxFF, Ox3F, Ox3E, OxFE, OxFA, Ox3A,
Ox3B, OxFB, Ox39, OxF9, OxF8, Ox38, Ox28, OxE8, OxE9, Ox29,
OxEB, Ox2B, Ox2A, OxEA, OxEE, Ox2E, Ox2F, OxEF, Ox2D, OxED,
OxEC, Ox2C, OxE4, Ox24, Ox25, OxE5, Ox27, OxE7, OxE6, Ox26,
Ox22, OxE2, OxE3, Ox23, OxE1, Ox21, Ox20, OxEO, OxA0, Ox60,
Ox61, OxA1, Ox63, OxA3, OxA2, Ox62, Ox66, OxA6, OxA7, Ox67,
OxA5, Ox65, Ox64, OxA4, Ox6C, OxAC, OxAD, Ox6D, OxAF, Ox6F,
Ox6E, OxAE, OxAA, Ox6A, Ox6B, OxAB, Ox69, OxA9, OxA8, Ox68,
Ox78, OxB8, OxB9, Ox79, OxBB, Ox7B, Ox7A, OxBA, OxBE, Ox7E,
Ox7F, OxBF, Ox7D, OxBD, OxBC, Ox7C, OxB4, Ox74, Ox75, OxB5,
Ox77, OxB7, OxB6, Ox76, Ox72, OxB2, OxB3, Ox73, OxB1, Ox71,
Ox70, OxB0, Ox50, Ox90, Ox91, Ox51, Ox93, Ox53, Ox52, Ox92,
Ox96, Ox56, Ox57, Ox97, Ox55, Ox95, Ox94, Ox54, Ox9C, Ox5C,
Ox5D, Ox9D, Ox5F, Ox9F, Ox9E, Ox5E, Ox5A, Ox9A, Ox9B, Ox5B,
Ox99, Ox59, Ox58, Ox98, Ox88, Ox48, Ox49, Ox89, Ox4B, Ox8B,
Ox8A, Ox4A, Ox4E, Ox8E, Ox8F, Ox4F, Ox8D, Ox4D, Ox4C, Ox8C,
Ox44, Ox84, Ox85, Ox45, Ox87, Ox47, Ox46, Ox86, Ox82, Ox42,
Ox43, Ox83, Ox41, Ox81, Ox80, Ox40
};
```

