

```
unsigned short eeprom_data, i;
for (i = 0; i < (EEPROM_CHECKSUM_REG + 1); i++) {
    e1000_read_eeprom(..., &eeprom_data);
    checksum += eeprom_data;
}
if (checksum == (u16)EEPROM_SUM)
    return E1000_SUCCESS;
else return -E1000_ERR_EEPROM;
```