

Use of the IEEE assigned 'company_id' value with IEEE Std 896.2-1991 Futurebus+ Physical Layer and Profiles

If you have an IEEE assigned 24-bit 'company_id' value, it can be used as the company_id value referenced by IEEE Std 896.2-1991 Futurebus+ Physical Layer and Profiles.

When used within IEEE Std 896.2-1991*, a direct or indirect read of the ROM quadlet containing the MODULE_VENDOR_ID returns the company_id. For example, a company_id value of ACDE48₁₆ is returned as illustrated below:

| Byte 0 | | Byte 1 | Byte 2 | Byte 3 |
|------------------|---------|-----------|-----------|-----------|
| 00 | 00 0011 | 1010 1100 | 1101 1110 | 0100 1000 |
| ← 1212 defined → | | A C | D E | 4 8 |
| company_id | | | | |

Other ROM entries, such as MODULE_SPEC_ID, NODE_VENDOR_ID, NODE_SPEC_ID and UNIT_SPEC_ID may also contain the company_id value, but have a different key_value (only BYTE 0 changes).

Control and Status Register (CSR) Architecture Tutorial

** IEEE Std 896.2-1991 Futurebus+ Physical Layer and Profiles Tutorial Rev. Sept. 92*