

Product Change Notification

Updated Anybus CompactCom 40 Ethernet hardware

Dear valued customer,

As part of HMS Industrial Networks commitment to our customers, we continuously strive to keep our products up to date with components, functionality and manufacturing technology that follow the industrial market. Such updates are mandatory in order to continue deliver our products with same high quality and performance as previous.

Reason for change

Due to that Broadcom previously has announced End Of Life on many of their PHY components (fast ethernet transceivers), including the PHY used in our CompactCom 40 Ethernet hardware platform, we have been forced to find and qualify a replacement PHY that meets all requirements of the CompactCom 40 Ethernet hardware platform.

Description of change

A new PHY from Texas Instrument, has been evaluated and approved and the CompactCom 40 Ethernet hardware platforms (Brick and Module) has been updated to use this PHY. Since this result in an updated hardware design, the respective hardware platforms will increase their major revision number. The change of PHY also requires a firmware update of each network firmware, this is done to adopt to the specific PHY settings. The change and acceptance of both the updated hardware and firmware is mandatory to enable further deliveries.

Verification

The new design is **tested and verified to be fully backwards compatible and conform**. This includes EMC testing, hardware verification, and network compliance.

If you decide to update your network conformance certificate, the certificate can in some cases be updated without making a full conformance test run – e.g. via a “Manufacturer declaration” or apply for a “self-test”. Please contact respective network organization for further information.

Affected products

The change affects the following products:

- Anybus CompactCom 40 PROFINET
- Anybus CompactCom 40 EtherNet/IP
- Anybus CompactCom 40 Modbus TCP
- Anybus CompactCom 40 EtherCAT
- Anybus CompactCom 40 POWERLINK
- Anybus CompactCom 40 BACnet/IP
- Anybus CompactCom 40 CET (Common Ethernet)

Article numbers for each product can be found in this letter below.

Action

The current products based on the Broadcom PHY will be available until **March 31st, 2023**. Thereafter these will be discontinued and automatically replaced with the new updated hardware using the Texas instrument PHY.

The replacement products based on the updated CompactCom 40 Ethernet hardware platform are now available for ordering of samples, see the replacement article list in the table below.

Quantities are open from small sample volumes for evaluation up to high volumes after approval, i.e. orders are placed directly on new article revision.

Firmware versions

Sample products for each network will be delivered with the following firmware version or higher.

| Product | Firmware version |
|--|------------------|
| Anybus CompactCom 40 PROFINET | 2.00.03 |
| Anybus CompactCom 40 EtherNet/IP | 1.54.02 |
| Anybus CompactCom 40 Modbus TCP | 1.16.01 |
| Anybus CompactCom 40 EtherCAT | 2.24.01 |
| Anybus CompactCom 40 POWERLINK | 1.18.01 |
| Anybus CompactCom 40 BACnet/IP | 1.11.01 |
| Anybus CompactCom 40 CET (Common Ethernet) | 1.07.01 |

Important dates to remember

- **End November, 2022 – Order of samples possible**
- **March 31st, 2023 – Products based on Broadcom PHY enter Obsolete phase**
- **March 31st, 2023 – New deliveries on products based on Texas Instrument PHY**

Product replacement article numbers

Article numbers that will be discontinued and automatically replaced with the '-D' articles.

| Article number | Description | Replacement article number | Expected availability |
|----------------|------------------------|----------------------------|-------------------------|
| AB6603-C | ABCC-M40-EIT | AB6603-D | End November 2022 |
| AB6604-C | ABCC-M40-EIP | AB6604-D | End November 2022 |
| AB6605-C | ABCC-M40-PIR | AB6605-D | End November 2022 |
| AB6607-C | ABCC-M40-ECT | AB6607-D | End November 2022 |
| AB6610-C | ABCC-M40-CET | AB6610-D | End November 2022 |
| AB6611-C | ABCC-M40-EPL | AB6611-D | End November 2022 |
| AB6612-C | ABCC-M40-BIP | AB6612-D | End November 2022 |
| AB6634-C | ABCC-40-CET-RMII | AB6634-D | End November 2022 |
| AB6635-C | ABCC-40-PIR-RMII | AB6635-D | End November 2022 |
| AB6637-C | ABCC-40-EIT-RMII | AB6637-D | End November 2022 |
| AB6638-C | ABCC-40-EIP-RMII | AB6638-D | End November 2022 |
| AB6639-C | ABCC-40-ECT-RMII | AB6639-D | End November 2022 |
| AB6673-C | ABCC-B40-1-EIT | AB6673-D | End November 2022 |
| AB6674-C | ABCC-B40-1-EIP | AB6674-D | End November 2022 |
| AB6675-C | ABCC-B40-1-PIR | AB6675-D | End November 2022 |
| AB6677-C | ABCC-B40-1-ECT | AB6677-D | End November 2022 |
| AB6680-C | ABCC-B40-1-CET | AB6680-D | End November 2022 |
| AB6681-C | ABCC-B40-1-EPL | AB6681-D | End November 2022 |
| AB6682-B | ABCC-B40-1-BIP | AB6682-D | Beginning December 2022 |
| AB6703-C | ABCC-M40-EIT-W/OH | AB6703-D | End November 2022 |
| AB6704-C | ABCC-M40-EIP-W/OH | AB6704-D | End November 2022 |
| AB6705-C | ABCC-M40-PIR-W/OH | AB6705-D | End November 2022 |
| AB6707-C | ABCC-M40-ECT-W/OH | AB6707-D | End November 2022 |
| AB6710-C | ABCC-M40-CET-W/OH | AB6710-D | End November 2022 |
| AB6711-C | ABCC-M40-EPL-W/OH | AB6711-D | End November 2022 |
| AB6712-B | ABCC-M40-BIP-W/OH | AB6712-D | Beginning December 2022 |
| AB6735-C | ABCC-M40-PIR-RMII-W/OH | AB6735-D | End November 2022 |
| AB6737-C | ABCC-M40-EIT-RMII-W/OH | AB6737-D | End November 2022 |
| AB6738-C | ABCC-M40-EIP-RMII-W/OH | AB6738-D | End November 2022 |
| AB6739-C | ABCC-M40-ECT-RMII-W/OH | AB6739-D | End November 2022 |
| AB6774-C | ABCC-B40-1-CET-RMII | AB6774-D | End November 2022 |
| AB6775-C | ABCC-B40-1-PIR-RMII | AB6775-D | End November 2022 |
| AB6777-C | ABCC-B40-1-EIT-RMII | AB6777-D | End November 2022 |
| AB6778-C | ABCC-B40-1-EIP-RMII | AB6778-D | End November 2022 |
| AB6779-C | ABCC-B40-1-ECT-RMII | AB6779-D | End November 2022 |
| AB6790-C | ABCC-B40-1-EIT-ModSer | AB6790-D | End November 2022 |
| AB6791-C | ABCC-B40-1-EIP-ModSer | AB6791-D | End November 2022 |
| AB6792-C | ABCC-B40-1-PIR-ModSer | AB6792-D | End November 2022 |
| AB6794-C | ABCC-B40-1-ECT-ModSer | AB6794-D | End November 2022 |

If you have any questions, please contact HMS local sales or technical services staff.

Kind Regards,
 Anybus Embedded Product Management Team