Product release information of the innovative CM597-ETH module that uses the netX processor from Hilscher ensuring a very high performance characteristic in terms of data volume with Ethernet communications.

Ideal for use with Ethernet applications involving:
- Modbus TCP/IP server set-up
- Modbus TCP/IP client
- UDP with 3rd party controllers & ABB

Dear Colleagues and AC500 users,
We are pleased to announce the product release of the new CM597-ETH modules today. Standard and XC version will be available for order mid-January 2015.

These are successor products that would be used in place of the existing CM577-ETH modules 1SAP170700R0001 and 1SAP370700R0001 (XC version).

Existing CM577-ETH modules have reached their “Classic life-cycle phase” but will be available as spares and replacements for existing systems along with necessary technical support as per ABB product life cycle policy.

If performance requirements by a customer change and they need to switch the existing CM577-ETH module, then they can replace with CM597-ETH. With release of the new AutomationBuilder 1.1.x version (and CPU firmware 2.4.x or greater), you will be able change the project configuration to use the new module and its enhanced features.

Features of new CPUs
- Extends Ethernet function to all existing AC500 CPUs
- Internal Ethernet switch with 2 ports
- Transfer rate 10/100 MBit/s, full duplex
- Ethernet TCP/IP, UDP/IP, Modbus TCP protocols supported
- Existing CM577-ETH can be replaced with the new CM597-ETH, but requires configuration changes in the project.
- 8 MB of external RAM memory and 8 MB of external Flash memory
- Reliable in rough environments due to eXtreme Condition version availability

Configuration
- Automation Builder 1.1.x and AC500 standard CPU firmware 2.4.x

Advantages for the customers
- netX processor from Hilscher ensures a very high performance
- Able to handle large volume of data
- RT Ethernet Performance with AC500 Platform
- Easy to configure and engineer with Automation Builder 1.1
- eXtreme version availability
- Easy integration with other ABB Ethernet products and 3rd party devices

Power and productivity for a better world™
Configuration screen snapshot showing the available protocols that can be configured for the new CM597-ETH

Classic part replacement table

<table>
<thead>
<tr>
<th>Classic Part Number</th>
<th>Description</th>
<th>New Part Number</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1SAP170700R0001</td>
<td>CM577-ETH classic Ethernet module</td>
<td>Replace with...</td>
<td>1SAP173700R0001 CM597-ETH Standard Ethernet module</td>
</tr>
<tr>
<td>1SAP370700R0001</td>
<td>CM577-ETH-XC classic Ethernet module extreme condition version</td>
<td>Replace with...</td>
<td>1SAP373700R0001 CM597-ETH-XC Ethernet module extreme condition version</td>
</tr>
</tbody>
</table>

*Note: Classic parts will still be available to order as replacements for existing projects

Ordering data

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Description</th>
<th>List Price</th>
</tr>
</thead>
<tbody>
<tr>
<td>1SAP173700R0001</td>
<td>CM597-ETH Standard Ethernet module</td>
<td>$1034</td>
</tr>
<tr>
<td>1SAP373700R0001</td>
<td>CM597-ETH-XC Ethernet module extreme condition version</td>
<td>$1283</td>
</tr>
</tbody>
</table>

Do not hesitate to contact us for any further clarifications.

Support email: drivessupportline@us.abb.com
Support Phone: 1-800-752-0696