Communication Main (PXMCM) Card

The Ethernet Port CM1 on the PXMCM card has evolved to add Auto cable cross over capability (AMDIX) and new LED status indicators. Remaining functionality is unchanged.

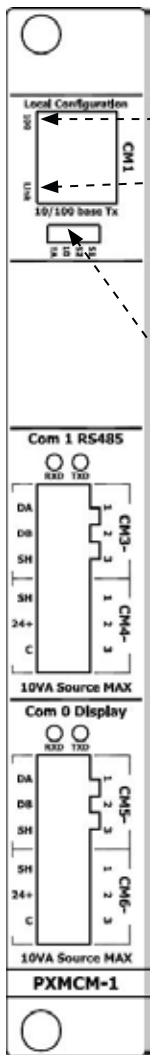Your card version can be identified by looking at the style number suffix group

Original PXMCM-1 = style number 66D2103**G21**

Updated PXMCM-1 = style number 66D2103**G41**

Your card's version can be checked through the web interface under the system HW page, by noting the extra LED array on the face of the module, or by reading the general assembly label for the style number if the card is removed from the meter.

The PX**M** 4/6/8K meter Firm Ware (FW) will be updated to support both the original and the updated PXMCM-1 design as a coordinated production release. If this card is transferred to a meter that originally came with the G21 card, then the meter's FW will first have to be upgraded to the latest FW version.

The PXMCM-1 style number 66D2103**G41** card is NOT compatible with the earlier PX 4/6/8K meters (No "M" in catalog numbers).

The RJ45 jack has embedded LEDs as before but the functionality is different:

- 100 – Port speed, Green LED will light at 100 base Tx or out at 10 base T.

- Link - Green LED will Blink when it detects Rx/Tx Ethernet communication activity.

A new 4 element LED indicator is added below the RJ45 connector

S1 – Status 1 – Lit when the port is down.

S2 – Status 2 – Lit when comm. reset in process.

10 – Determines IP address for Local Configuration Port.

· On = 10.1.1.1 (Subnet Mask of 255.255.255.0)

· Off = 192.168.1.1 (Subnet Mask of 255.255.255.0).

TA – Transmit Active.

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