



PCN # [1180921]

FXM 650, 1100, 2000 and Ethernet Card Software Version 2.01.00

| <b>1. Supplier Information</b><br>Alpha Technologies, Ltd.<br>7700 Riverfront Gate, Burnaby, BC V5J 5M4 Canada<br>Contact: Daljit Hothi<br>Product Manager<br>604 422 4490<br>daljit.hothi@alpha.ca  |                   | <b>2. Product Change Notification Number</b><br>PCN # 1180921   |                   |               |                |          |                |          |                |               |                |   |  |       |                   |               |                |          |                |          |                |               |                |
|--|-------------------|---|-------------------|---------------|----------------|----------|----------------|----------|----------------|---------------|----------------|---|--|-------|-------------------|---------------|----------------|----------|----------------|----------|----------------|---------------|----------------|
| <b>3. Issue Date of Change</b><br>09/21/2018   |                   | <b>4. System and Product Description</b><br>Alpha Technologies, Ltd. is releasing new software (V2.01.00) for the FXM 650, 1100, 2000 and Ethernet card.  |                   |               |                |          |                |          |                |               |                |   |  |       |                   |               |                |          |                |          |                |               |                |
| <b>5. New Product ID</b> <table border="1"> <thead> <tr> <th>Model</th> <th>Part Number (P/N)</th> </tr> </thead> <tbody> <tr> <td>FXM 650-24/48</td> <td>V2.01.00(fbin)</td> </tr> <tr> <td>FXM 1100</td> <td>V2.01.00(fbin)</td> </tr> <tr> <td>FXM 2000</td> <td>V2.01.00(fbin)</td> </tr> <tr> <td>Ethernet Card</td> <td>V2.01.00(ezip)</td> </tr> </tbody> </table>  |                   | Model   | Part Number (P/N) | FXM 650-24/48 | V2.01.00(fbin) | FXM 1100 | V2.01.00(fbin) | FXM 2000 | V2.01.00(fbin) | Ethernet Card | V2.01.00(ezip) | <b>6. Old Product ID</b> <table border="1"> <thead> <tr> <th>Model</th> <th>Part Number (P/N)</th> </tr> </thead> <tbody> <tr> <td>FXM 650-24/48</td> <td>V2.00.04(fbin)</td> </tr> <tr> <td>FXM 1100</td> <td>V2.00.04(fbin)</td> </tr> <tr> <td>FXM 2000</td> <td>V2.00.04(fbin)</td> </tr> <tr> <td>Ethernet Card</td> <td>V2.00.04(ezip)</td> </tr> </tbody> </table> |  | Model | Part Number (P/N) | FXM 650-24/48 | V2.00.04(fbin) | FXM 1100 | V2.00.04(fbin) | FXM 2000 | V2.00.04(fbin) | Ethernet Card | V2.00.04(ezip) |
| Model  | Part Number (P/N) |   |                   |               |                |          |                |          |                |               |                |   |  |       |                   |               |                |          |                |          |                |               |                |
| FXM 650-24/48  | V2.01.00(fbin)    |   |                   |               |                |          |                |          |                |               |                |   |  |       |                   |               |                |          |                |          |                |               |                |
| FXM 1100   | V2.01.00(fbin)    |   |                   |               |                |          |                |          |                |               |                |   |  |       |                   |               |                |          |                |          |                |               |                |
| FXM 2000   | V2.01.00(fbin)    |   |                   |               |                |          |                |          |                |               |                |   |  |       |                   |               |                |          |                |          |                |               |                |
| Ethernet Card  | V2.01.00(ezip)    |   |                   |               |                |          |                |          |                |               |                |   |  |       |                   |               |                |          |                |          |                |               |                |
| Model  | Part Number (P/N) |   |                   |               |                |          |                |          |                |               |                |   |  |       |                   |               |                |          |                |          |                |               |                |
| FXM 650-24/48  | V2.00.04(fbin)    |   |                   |               |                |          |                |          |                |               |                |   |  |       |                   |               |                |          |                |          |                |               |                |
| FXM 1100   | V2.00.04(fbin)    |   |                   |               |                |          |                |          |                |               |                |   |  |       |                   |               |                |          |                |          |                |               |                |
| FXM 2000   | V2.00.04(fbin)    |   |                   |               |                |          |                |          |                |               |                |   |  |       |                   |               |                |          |                |          |                |               |                |
| Ethernet Card  | V2.00.04(ezip)    |   |                   |               |                |          |                |          |                |               |                |   |  |       |                   |               |                |          |                |          |                |               |                |
| <b>7. Associated Products or Changes Affected</b><br>FXM 650-24 Model: 017-234-31/52, 017-235-22/32<br>FXM 650-48 Model: 017-236-45<br>FXM 1100 Model: 017-230-23/37/65, 017-231-22/24<br>FXM 2000 Model: 017-232-31, 017-233-30/32/53/54/55<br>Ethernet Card: 740-730-24  |                   |   |                   |               |                |          |                |          |                |               |                |   |  |       |                   |               |                |          |                |          |                |               |                |
| <b>8. Drawing No.</b><br>N/A   |                   | <b>9. Product Change Classification</b><br>Class D<br>Changes that incorporate minor new features and design improvements that do not affect the existing functionality or interchangeability of a product, or that involve other minor improvements to service testing, or other capabilities. |                   |               |                |          |                |          |                |               |                |   |  |       |                   |               |                |          |                |          |                |               |                |
| <b>10. Reason(s) for Change</b><br>Update to improve air circulation for better cooling and increase reliability.  |                   |   |                   |               |                |          |                |          |                |               |                |   |  |       |                   |               |                |          |                |          |                |               |                |
| <b>11. Description of Change</b> <ul style="list-style-type: none"> <li>• FXM Micro Card Firmware Version 2.01.00             <ul style="list-style-type: none"> <li>○ Improved thermal management and fan control</li> </ul> </li> <li>• SNMP Card Firmware Version 2.01.00             <ul style="list-style-type: none"> <li>○ Power Outage menu selection fixed in UPS Monitoring and Maintenance section</li> </ul> </li> </ul> |                   |   |                   |               |                |          |                |          |                |               |                |   |  |       |                   |               |                |          |                |          |                |               |                |



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| <b>12. Effect of Change</b><br>Change will have no effect to system operation or usability that is stated in section 11.  |  |
| <b>13. Material/Product Affected</b><br>N/A   |  |
| <b>14. Documentation Affected</b><br>N/A  |  |
| <b>15. Supplier Implementation Date</b><br>This is a phase-in change, and V2.01.00 will be implemented into the product from the factory by Q1, 2019. The software is available today at <a href="http://www.alpha.ca/software-firmwaredownloads">http://www.alpha.ca/software-firmwaredownloads</a> .  | <b>16. Modification Completion Date</b><br>N/A |
| <b>17. Modification Location</b><br>N/A   |  |
| <b>18. Modification Cost</b><br>N/A   |  |
| <b>19. Location and Quantity of Equipment</b><br>N/A  |  |
| <b>20. Attachments</b><br>N/A   |  |
| <b>21. Comments</b><br><p>FXM units with green LCDs and a firmware version lower than v1.07 must be upgraded locally using the FXM Programmer. After firmware on the unit is upgraded, the Ethernet card software should be upgraded to v2.01.00.</p> <p>FXM units with green LCDs and firmware version 1.07 or higher can be upgraded locally or remotely with the exception of the FXM 1100. The FXM 1100 with retrofit version (green display) must be upgraded locally.</p> <p>Units with blue LCDs can be upgraded locally or remotely.<br/>To upgrade remotely: Upgrade Ethernet card software to 2.01.00 first, and then upgrade the FXM firmware remotely.</p> <p>To upgrade locally: Upgrade the FXM firmware first, locally using the FXM Programmer. After the firmware on the unit is upgraded, the Ethernet card software should be upgraded to 2.01.00.</p> |  |