













MC92N0^{ex} RFID - Compatibility Matrix - Form Factor Overview

| Form Factor: | | internal RFID Reader | internal RFID Reader + mounted antenna (only available for UHF) | extended RFID Reader | extended RFID Reader + mounted antenna (only available for UHF) |
|--|----------------------|---|---|---|---|
| Form Factor: | |  |  |  |  |
| Comments to the different form factors: | | | | | |
| internal RFID reader | - | Yes | Yes | No | No |
| extended RFID reader | - | No | No | Yes | Yes |
| mounted antenna | - | No | Yes | No | Yes |
| combination with barcode reader possible? | - | No | No | Yes | Yes |
| Supported RFID frequencies: | | | | | |
| LF 125/134 kHz | BARTEC SDK v1.2.3 | Yes | No | Yes | No |
| | BARTEC SDK v2.0.3 | Yes | No | Yes | No |
| | Build in reader type | Tectus LF - Scotty Reader | No | Tectus LF Scotty Reader | No |
| | Programming | Command based data protocol | No | Command based data protocol | No |
| | BARTEC P/N for IS | 17-A1Ax-Rxx1/xxxxxxx | not existing | 17-A1Ax-Rxx2/xxxxxxx | not existing |
| | BARTEC P/N for NI | B7-A2Ax-Rxx1/xxxxxxx | not existing | B7-A2Ax-Rxx2/xxxxxxx | not existing |
| HF 13.56 MHz | BARTEC SDK v1.2.3 | No | No | Yes | No |
| | BARTEC SDK v2.0.3 | Yes | No | Yes | No |
| | Build in reader type | Tectus HF - TLF-50 Reader | No | Feig - CPR.M02 function is compatible to CPR | No |
| | Programming | Command based data protocol | No | Source library code based** | No |
| | BARTEC P/N for IS | 17-A1Ax-Rxx3/xxxxxxx | not existing | 17-A1Ax-Rxx4/xxxxxxx | not existing |
| | BARTEC P/N for NI | B7-A2Ax-Rxx3/xxxxxxx | not existing | B7-A2Ax-Rxx4/xxxxxxx | not existing |
| UHF (EU) 865.6 to 867.5 MHz (EN 302 208) | BARTEC SDK v1.2.3 | No | No | Yes | Yes |
| | BARTEC SDK v2.0.3 | Yes | Yes | Yes | Yes |
| | Build in reader type | Feig - ISC.MU92 function is compatible to ISC.MU02 | Feig - ISC.MU92 function is compatible to ISC.MU02 | Feig - ISC.MU02 | Feig - ISC.MU02 |
| | Programming | Source library code based** | Source library code based** | Source library code based** | Source library code based** |
| | BARTEC P/N for IS | 17-A1Ax-RxxB/xxxxxxx | 17-A1Ax-RxxD/xxxxxxx | 17-A1Ax-Rxx6/xxxxxxx | 17-A1Ax-Rxx8/xxxxxxx |
| | BARTEC P/N for NI | B7-A2Ax-RxxB/xxxxxxx | B7-A2Ax-RxxD/xxxxxxx | B7-A2Ax-Rxx6/xxxxxxx | B7-A2Ax-Rxx8/xxxxxxx |

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| | |  |  |  |  |
| UHF (US) 902.0 to 928.0 MHz (FCC CFR 47 Part 15.247) | BARTEC SDK v1.2.3 | No | No | Yes | Yes |
| | BARTEC SDK v2.0.3 | Yes | Yes | Yes | Yes |
| | Build in reader type | Feig - ISC.MU92 function is compatible to ISC.MU02 | Feig - ISC.MU92 function is compatible to ISC.MU02 | Feig - ISC.MU02 | Feig - ISC.MU02 |
| | Programming | Source library code based** | Source library code based** | Source library code based** | Source library code based** |
| | BARTEC P/N for IS | 17-A1Ax-RxxA/xxxxxxxx | 17-A1Ax-RxxC/xxxxxxxx | 17-A1Ax-Rxx5/xxxxxxxx | 17-A1Ax-Rxx7/xxxxxxxx |
| | BARTEC P/N for NI | B7-A2Ax-RxxA/xxxxxxxx | B7-A2Ax-RxxC/xxxxxxxx | B7-A2Ax-Rxx5/xxxxxxxx | B7-A2Ax-Rxx7/xxxxxxxx |
| Supported operating systems on MC92N0^{ex}: | | | | | |
| Windows® Embedded Handheld 6.5.3 | BARTEC SDK v1.2.3 | Yes, only support for RFID LF | No | Yes | Yes |
| | BARTEC SDK v2.0.3 | Yes | Yes | Yes | Yes |
| Windows® Embedded Compact 7 (CE 7.0) | BARTEC SDK v1.2.3 | Yes, only support for RFID LF | No | Yes | Yes |
| | BARTEC SDK v2.0.3 | No | No | No | No |
| Android 4.4.4 (Kit Kat) | BARTEC SDK v1.2.3 | No | No | No | No |
| | BARTEC SDK v2.0.3 | No | No | No | No |
| BARTEC RFID SDK | | | | | |

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|--|---|---|---|---|
| - |  |  |  |  |
| SDK v1.2.3 | includes | <ul style="list-style-type: none"> - Demo application for easy testing and demonstration - Demo application is written in Visual Studio 2008 with C# in open source code as sample. - Command description for LF Tectus Scotty Reader - SDK - source library of Feig for HF CPR reader including documentation and protocoll description - SDK - source library of Feig for UHF ISC.M02 reader including documentation and protocoll description | | |
| | supported MC92N0 ^{ex} operating system | Windows® Embedded Handheld 6.5.3 Windows® Embedded Compact 7 (CE 7.0) | | |
| SDK v2.0.3 | includes | <ul style="list-style-type: none"> - Demo application for easy testing and demonstration - Demo application is written in Visual Studio 2008 with C# in open source code as sample. - Command description for LF Tectus Scotty Reader - Command description for HF Tectus TLF-50 reader - SDK - source library of Feig for HF CPR reader including documentation with system manual, protocoll description and transport layer - SDK - source library of Feig for UHF ISC.MU92 (function is compatible to ISC.M02) reader including documentation with system manual, protocoll description and transport layer | | |
| | supported MC92N0 ^{ex} operating system | Windows® Embedded Handheld 6.5.3 | | |
| BARTEC open source demo application | | | | |
| RFID_Demo_Open_Source V1.2.3_WEH_and_CE | written in | Visual Studio 2008 | | |
| | Programming language | C# (C-Sharp) | | |
| | supported MC92N0 ^{ex} operating system | Windows® Embedded Handheld 6.5.3 Windows® Embedded Compact 7 (CE 7.0) | | |
| RFID_Demo_Open_Source V2.0.3_WEH_only | written in | Visual Studio 2008 | | |
| | Programming language | C# (C-Sharp) | | |
| | supported MC92N0 ^{ex} operating system | Windows® Embedded Handheld 6.5.3 | | |

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| |  |  |  |  |
| Other software | | | | |
| Zebra RFID SDK | compatibility | <p>Not compatible for use with the BARTEC RFID reader solution.</p> <p>Note: The BARTEC RFID reader solution is a BARTEC own development with Tectus and Feig reader boards. The Zebra RFID SDK can't be used to program application for RFID.</p> | | |

| Note: | |
|-----------------------------|---|
| Source library code based** | <p>Note is for Feig reader boards type ISC.MU92, ISC.M02 or CPR:</p> <p>The support package ID FEISC is intended to support in programming application software by integrating OBID i-scan® - and/or OBID® classic-pro Readers, and supports ANSI-C, ANSI-C++ und essentially any other language which can invoke C functions.</p> <p>The support package provides a simple function interface for the OBID® Reader. Each protocol documented in the system manuals the OBID® Reader Families has its own function. For data transmission, one of the libraries from the transport layer (FECOM, FEUSB, FETCP) is bound dynamically at run time.</p> |
| Meaning of IS | <p>IS is the naming for all MC92N0ex devices what are modified for use in:</p> <ul style="list-style-type: none"> - ATEX/IECEXx Zone 1 - UL Division 1 <p>It is as well the naming for all local certifications what are based on the certifications above.</p> <p>For example:</p> <ul style="list-style-type: none"> - South Africa - ZA (based on Zone 1) - Brasil Inmetro (based on Zone 1) - Russia - TC RU (based on Zone 1) - China (based on Division 1) |
| Meaning of NI | <p>NI is the naming for all MC92N0ex devices what are modified for use in:</p> <ul style="list-style-type: none"> - ATEX/IECEXx Zone 2 - UL Division 2 <p>It is as well the naming for all local certifications what are based on the certifications above.</p> <p>For example:</p> <ul style="list-style-type: none"> - South Africa - ZA (based on Zone 2) - China (based on Division 2) |