

**PART NUMBER: 7100.PGT.XK.V3**  
**RFID Reader for the PGT120.COM ESD Tester**

**The RFID reader allows employee to submit and log information during ESD testing.**

The 7100.PGT.XK.V3 allows users to read and write almost any 125 kHz, 134.2 kHz and 13.56 MHz transponder supporting all major technologies and many ISO standards. The integrated chip card reader is designed for easy integration into various applications.

The readers can be programmed with a script language for autonomous execution of even complex commands like login procedures, increment/decrement functions and many more. The reader supports host communication via USB.



**Will My Cards Work With Transforming Technologies RFID reader?**

Our RFID reader can work with many different types of RFID cards. To confirm compatibility, we ask:

- For the make and model of your card system
- We may ask for you to send us a card.

We can update the firmware on our reader to work with your card. Typically, we can do this at no charge, but we may have to charge for this service for your specific application. Please contact Transforming Technologies at 419-841-9552 or email [info@transforming-technologies.com](mailto:info@transforming-technologies.com) for more information.

**Specifications**

**FREQUENCY** 125 kHz/134.2 kHz (LF) / 13.56 MHz (HF) ANTENNA Integrated  
**HOUSING** Material: ABS UL94-V0, color: black or white DIMENSIONS (L X W X H) Desktop Reader: 88 mm x 68 mm x 19 mm / 3.46 inch x 2.68 inch x 0.75 inch OEM Board: 76 mm x 62 mm x 11 mm / 3 inch x 2.44 inch x 0.43 inch  
**POWER SUPPLY** 4.3 V - 5.5 V via USB  
**TEMPERATURE RANGE** Desktop, Operating: -25 °C up to +70 °C (-13 °F up to +158 °F) Desktop, Storage: -45 °C up to +75 °C (-49 °F up to +167 °F) PCB, Operating: -25 °C up to +80 °C (-13 °F up to +176 °F) PCB, Storage: -45 °C up to +85 °C (-49 °F up to +185 °F)  
**RELATIVE HUMIDITY** 5% to 95% non-condensing  
**READ- / WRITE DISTANCE** Up to 100 mm / 4 inch, depending on environment and transponder  
**TRANSMISSION SPEED** Host: USB Full speed (12 Mbit/s), Air: up to 848 kbit/s  
**MODES OF OPERATION** USB keyboard emulation – USB virtual COM port – CCID / PC/SC 2.01  
**MTBF** 500,000 hours / Min. 100,000 card insertion cycles  
**WEIGHT** Approx. 35 g (without housing) / Approx. 140g (with housing and USB Cable)  
**SMARTCARD STANDARDS** ISO/IEC7816 Part 1-4, Class A/B/C (5V, 3V, 1.8V), T=0, T=1  
**SMARTCARD CLOCK FREQUENCY** 5 MHz up to 15 MHz

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**7100.PGT.XK.V3 - RFID Reader for PGT120**

This document is prepared for our customers as a service, and is to the best of our knowledge true and accurate. However, it is understood and agreed by the users of this document that we will accept no liability for the conclusions reached. Users of this document may therefore wish to perform additional testing before determining that products mentioned are suitable.