

AMT355 Contactless Smartcard Transaction Terminal ATC350 Terminal Controller

SPECIFICATION DATA



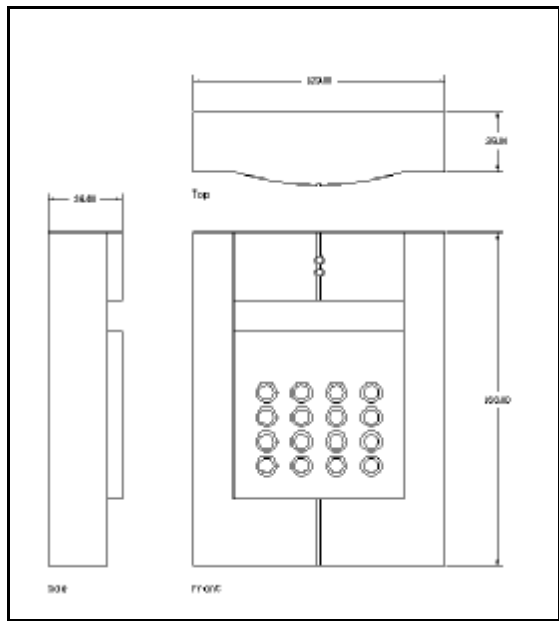
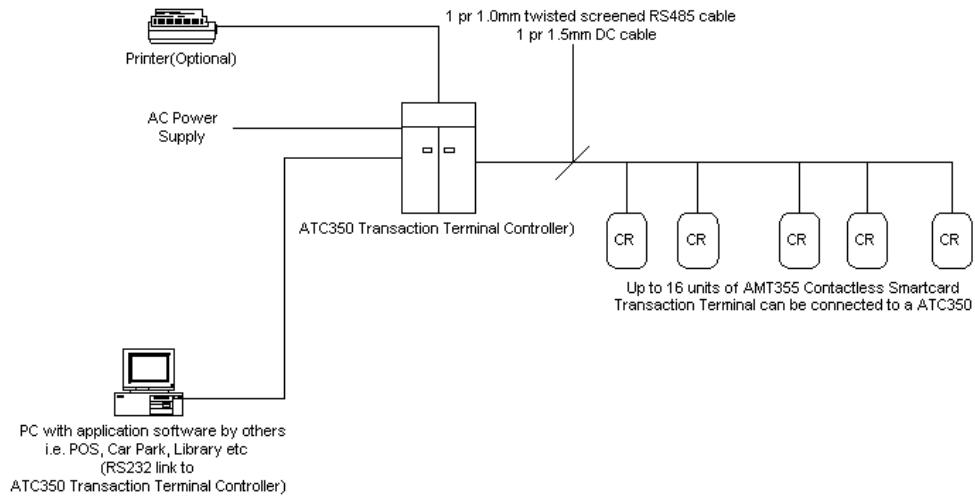
The AMT Contactless Smartcard Transaction System consists of up to 16 units of the AMT355 Transaction terminals and the ATC350 Terminal Controller. As a contactless smartcard reader terminal the AMT355 can read/write Mifare® smartcards, accept keypad entries, display messages on its backlit LCD display and communicates with the ATC350 terminal controller. Beside the basic functionalities, Each AMT355 has a built-in advanced support for a Secure Access Module (SAM), which is based on a highly intelligent and secured CPU type contact smartcard. By programming and inserting different personalities of SAM into each AMT355, the AMT355 can assume different functions i.e. Fixed or variable value deduction, Time Based Clock in/out deduction, Data Read/Write and Value Top-up operations.

All transaction will be time-stamped by a local hardware real time clock on each AMT355 terminal before transmitting it to the ATC350 controller. The ATC350 can hold up to 4000 transactions in its non-volatile memory. All transactions can be printed as a transaction receipt to a connected serial printer via RS232 port. The transactions can be loaded to a Host PC via another RS232 port.

KEY FEATURES

- **Contactless Smartcard technology offering operational convenience with smartcard level security**
- **Support Mifare™ read/write operations according to ISO/IEC 14443 type A**
- **Built-in Secure Access Module (SAM) based on CPU type contact smartcard for highly intelligent and secured transactions**
- **SAM can be programmed to multiple personalities i.e. Fixed/Variable value deduction, Time based Clock in/out deduction, Data read/write and Value Top-up operations**
- **2 lines of 16 characters LCD display with backlit**
- **Highly reliable silicone keypad for long lasting usage**
- **Built-in hardware real-time-clock with battery backup**
- **RS485 communication interface between AMT355 and ATC350**
- **RS232 interface to Host PC and Serial Printer**
- **Local transaction buffers at AMT355 and ATC350 with non-volatile memory**
- **Twin LEDs and electronic buzzer provides positive audio-visual feedback to user operations**
- **Elegant industrial design in gray color casing to suit any desktop applications**

**Contactless Smartcard Transaction Terminals
Typical Schematic Diagram (Aug99/R1.02/LTF)**



Specifications

AMT355 Transaction Terminal

<i>Reader/Writer</i>	<i>Mifare Standard ISO14443 Type A</i>
<i>SAM smartcard</i>	<i>CPU type contact</i>
<i>Read Range</i>	<i>50mm(2")</i>
<i>Display</i>	<i>2 x 16 LCD Backlit 1 x Red LED 1 x Green LED</i>
<i>Keypad</i>	<i>4 x 4 Silicon type</i>
<i>Audio buzzer</i>	<i>Multi-tone piezo</i>
<i>Transaction Memory</i>	<i>250 in EEPROM</i>
<i>Communication</i>	<i>RS485 interface</i>
<i>Power Consumption</i>	<i>12V DC 0.3A max</i>

ATC350 Terminal Controller

<i>Communication</i>	<i>RS485 to AMT355 RS232 to Printer RS232 to Host PC</i>
<i>Transaction Memory</i>	<i>4000 on Battery Backup RAM (Opt 1 – 8000) (Opt 2 – 16000)</i>
<i>Power Consumption</i>	<i>12V 0.5A Max</i>
<i>Battery</i>	<i>Lead Acid 12V 12AH</i>
<i>AC Power Input</i>	<i>220/110 VAC 0.5A Max</i>