

# SRI-TAPY



Sai-Ram's Innomations (SRI) Management with over 30 years of expertise in Automation Identification and Data Capture (AIDC) and Security domains launching completely in-house developed SRI-TAPY Controller / SRI-TAPY Mini Combo to meet current and future needs of Customers from Small businesses to Corporate Houses, Workshops to Industries and Apartments to Smart Cities.

SRI-TAPY Controller / SRI-TAPY Mini Combo is the origin of Real-Time data presented conveniently on the Management Dashboards placed at all Key points of Corporate Campuses viz. Lobby, Work Area Entrances, Lifts, Business Rooms, Common Facilities like Canteen, Library, Recreation etc..

SRI-TAPY, Secured Cloud enabled IOT Gadget Combo is the Core building Block for

- Instant Time Attendance: SRI-TAPY Timez
- Real-time Access Control Monitoring for secured, critical zones: SRI-TAPY Accez
- Campus Payments as and when required: SRI-TAPY Trans
- Tracking Job Performance: SRI-TAPY Trans
- Combination of any of two Services or more: SRI-TAPY Tranz

SRI-TAPY is unique in the Industry to start with one or more services above and gradually migrating to All-in-One Solution with SRI-Apps

- SRI-Timez ,
- SRI-Acccez,
- SRI-Trans,
- SRI-Tranz, so on....



## RFID Smartcard can be....

- Corporate Employee ID
- Campus Student ID
- Club Member ID
- Event Visitor ID or
- Contract Vendor ID

**SRI-TAPY Timez**, a very user-friendly Combo, quickly captures online **Time Data** with Flash of an **RFID smartcard**, as a fall-back provides **offline data capture** as well.



**SRI-TAPY Accez**, Secured Online **Access Control** Combo handy for Security Officers and Management to control people access to premises with ease and supports offline Access control validation in case of network break-out.

**SRI-TAPY Trans Secured**, Smart online **Payment** combo with programmable Pay with a flash of an RFID smartcard, typically for Canteens / Clubs / Food Courts etc...



**SRI-TAPY Tranz Secured**, Smart online **Payment & Access** Combo with programmable Payment and Access with a Flash of an RFID Smartcard for Corporate and Apartment complexes, Parking Lots, Gyms, Swimming Pools, Events etc.. at ease.

# SRI-TAPY Technical Specifications

## SRI-TAPY Master Controller:

- MicroController:STM32F407VET6
- Communication Interface: RS485/RS232
- Communication Protocol: TCP/IP
- SD Card Storage: Installed 8GB Industrial Grade Transactions stores up to 4GB.
- Visual Indications: 3 LEDS One for Mode Status, Second for Access and Third for Void.
- Audio: Buzzer indication on Booting.
- Diagnosis Indication: LCD –Reader Status, LCD & LED for Server to Controller Health Check.
- Input Voltage & Current:12V-3Amps
- Validation Mode Switching: Automatic Switching to Standalone Mode and Sever Mode
- Transactions Sync: Real-time
- Operating Temperature: 0 to 55°C
- 20×4 character LCD Display with Blue Backlight.



**SRI-Tapy Controller**

## SRI-TAPY Field Upgradable:

- Attendance
- EM Lock-2 Doors
- Turnstile-2 No's
- Boom Barriers-2 No's

## Enclosure :

- Visual indications on front Panel.
- Mountable on wall.
- Metal Body.
- Powder Coated-Dark Grey
- Physical Dimensions:308 (L)\*298(W)\*82mm(D)



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## SMPS:

- Output: uninterrupted 13.8V DC, 1.5 Amps.
- Operating AC Power supply: 100V AC to 270V AC.
- Internal rechargeable 12V/4.5 AH or 1.3 AH Lead Acid Battery.
- Controller & Readers operation time:
  - 12V-1.3AH:1.30 min to 2hrs for Time & Attendance on Battery
  - 12V-4.5AH:9-10 Hrs Backup for Time & Attendance on Battery
- Auto charge on mains supply.
- Low battery cut-off to avoid battery deep discharge.
- Over current protection.

## SRI-TAPY Mini Reader:

- Input Voltage& Current: 5V DC-0.30 mA(Max)
- Frequency: 13.56 Mhz(High Frequency)
- Reading Distance: 5-10 cm (Depends on Card Type)
- Communication Protocol: RS485/RS232
- Physical Dimensions:90\*70\*28 mm
- Indications: 3 LED's for Reader Health, Accept, Void.
- Buzzer for Each Swipe

### Contactless Cards:

- Mi-fare Classic 1K,4K
- Ultralight
- Mifare SE+
- Desfire (Optional)
- SCOSTA CL (Optional)



**SRI TAPY**  
Mini



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