AVICHA

SMART CARDS
SERVICES / SOLUTIONS

Card Manufacturing

Card Printing,
Embossing,
Customization

Card Personalization
Electronic
Physical
Software Customization
System Integration
System Installation
Supply of Accessories
Card Readers
POS Systems
Card Programmers
Maintenance & Support
Customer Training
User Surveys
Project Management
Technological Upgradations
Hotel Management
Health Management
e - Purse
Loyalty

Solutions fortheFuture

We introduce ourselves as India's first and only Smart Card manufacturing unit as of now, having 100%EOUstatus from Govt. of India.

We are ISO 9001 & 2000 certified company and all the cards manufactured in our plant conform to ISO 7816 standards. We offer**One Stop Customized Smart Card based Solutions&Applications.**
We are the first Indian manufacturing company to produce (Smart Card Operating System forTransport Applications) cards to meet globalTransport requirements.
With a capacity to manufacture 60 million cards per annum and we have supplied cards toBanks, Telecom Companies & Transport Department of Govt. of India and are in the process of supplying National ID Cards.

We have supplied for Loyalty, Access Control, Telecom application cards to most of the clients in India and abroad. Our manufacturing includes Smart Cards, Magnetic Stripe Cards, Scratch Cards and plainPVCCards.

BIL has not confined itself to Smart Cards & Barcodes but has also diversified into Auto IDTechnology and RFIDTechnology.

BIL can produce Contactless Cards of 1K & 4K forTime Attandance & Access Control.

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PAYPHONE CARDS: demand is increasing. Each mobile GSM phone carried a controller card Subscriber Identity Module (SIM) for customer authentication andmessage encryption.The SIM card transforms every mobile phone into the cardholders very own telephone because it contains all personalinformation, such as call number, speed dialing numbers and payment details. This means maximum mobility through limitless telephoning,independent of the subscriber set. Billing is carried out by the network operator of the card holder.An additional advantage of chip card is security.Calls are only possible after entering a PIN, this eliminating the risk of unauthorized access. Calls are transmitted in encrypted form so that theycannot be encrypted.SIM, similar to a traditional telephone card, is destined to make itsway into many areas of our public life.

HEALTH MANAGEMENT: In the health management the key factor happens to be data its availability, accuracy and authenticity. As theprovision of healthservices is almost continuous and executed on individual basis, the data obtained at any time is indispensable for its reliability andefficient control. Hence the need for sophisticated data management facilities especially in today's health insurance schemes, CHIP CARDS havebecome fully accepted by patients worldwide wherever they are implemented.This wide spread confidence in the security and convenience offered by the general cards solution will make it an integral part of any health system. Major solutions in this sector could be in INSURANCE CARDS and

PATIENT DATA CARDS: Introduction of health cards, will be a common phenomena in next decade by Health Organizations / Government inview of the exploding costs which are generated by public health care, can only be tackled by efficient control of the rendered services.The Smart cardbased solutions in this sector offer to allocate medical service more fairly and with high cost transparency.The patient data card a safe and reliable datamemory, permit the integration into running system thus enabling low cost. Internationally passed standards such as the G7 data set, have authorizeduse of health card across national borders. Since this card can contain vital information such as personal data, medical histories, details of treatment,prescription up to date, advice on treating high risk patients, this card can save lives in the case of emergencies.

BANKCARDS: Security plays the predominant role in banking cards. The chip card becomes a purse when loaded through ATMor special terminal. Then this can be used for payments, although most likely there will be an upper limit to restrict card misuse.Further these cards are safeguarded against unauthorized users through card authentication on the reader device. The holder can protect a card against illegal access with a PSC. With all these security features this bank card or electronic purse Card is the best way of carrying money.

TRANSPORT CARDS: Smart Cards assist the Transportation industry in many ways by addressing issues, in turn bringing significantFinancial & Operations benefits. Acceptance of smart card utilization will afford both tangible & indirect benefits that ensure better profitability and efficiency including image in many ways.

ACCESSCONTROL: Access control as a functional requirement for best performance of any organization is being perceived as very important in the aggressive / competitive environment irrespective of the field-defence, police industry, information technology, hospitals / health management, money management ,financing the business, and so on. This requirement coupled with automation ofoperations either it is entry, monitoring, fraud prevention, authentication or various applications generated out of need based systems invariably has to use smart cards for their normal functions to performwith continuity aswell as accuracy in reasonably preservation / retrieval / analysis of the cycle of operations/happenings.happenings.The contactless cards in this category contains data pertaining to card holder identity, as well as his own predetermined access parameters. These are used for access to building and other protected areas as well as confidential data access through work stations in the networks. These cards can be used on vending machines with addition of electronic purse function.

e - PURSE / LOYALTY : Microprocessor based smart card presently are competitive with memory cards. For card based loyalty operation, smart cardsarewell known to offer best solution. This is because of their flexibility and security. Till nowtheywere very expensive to be used. Backed up by best technology atan attractive price, BARTRONICS provides you suitable cards for related operations. Point of sale, information on a purchasing behavior components and so onhappen to be comprehensive and flexible tools needed for any sales advertisement communication. With these cards the consumer can have an immediateupdate on his situation and benefits accrue to him as he is entitled for, which the selling company give on targeted offers at the moment of purchase.These cardsoffer capacities ranging from 256 bytes to 4KB with fully compatible functionalities. This means an application can be launched in low, capacity cards withpossibility of subsequent upgradation to a more powerful platform. These cards can be used for high value added services such as citicard, parking card andpublic or air transport card.These cards comply with ISO 7816 standards and be accepted by almost all card readers.

CONTACTLESS CARDS: The future market happens to be in the extraordinary growth in the utilization of contactless operations. Card applicationssuch as public transport, where large quantities of data relating to use have to be collected very fast can use contactless cards. Around half of the future expectedvolume of business will go into this application segment.The system of operation is dependent on very fast transmission of data at rate of more than Kbd. In 100 ms,the operations of reading the card Number, authentication, write and card movement are completed. Even for any number of cards the additional time required is very minimal (1 ms for every card). This makes this system extremely convenient and secure in its functioning. In these cards Data protection is of highest standards. These contactless chip cards can be written and read and These contactless chip cards can be written and read and possesses the major features of a conventional high-security chip card.It can be integratedon RF interface for communication with read / write device. Designed for 100,000 read/write operations, working without battery it has the format of a common credit card, could be printed on both sides and complies ISO 7816-1 standards.

ASSOCIATES :

BRANCHES :

Aurangabad	Bangalore	Chennai	Coimbatore	Jamshedpur
Mumbai	New Delhi	Pune	Kolkata	Visakhapatnam

CONTACT :