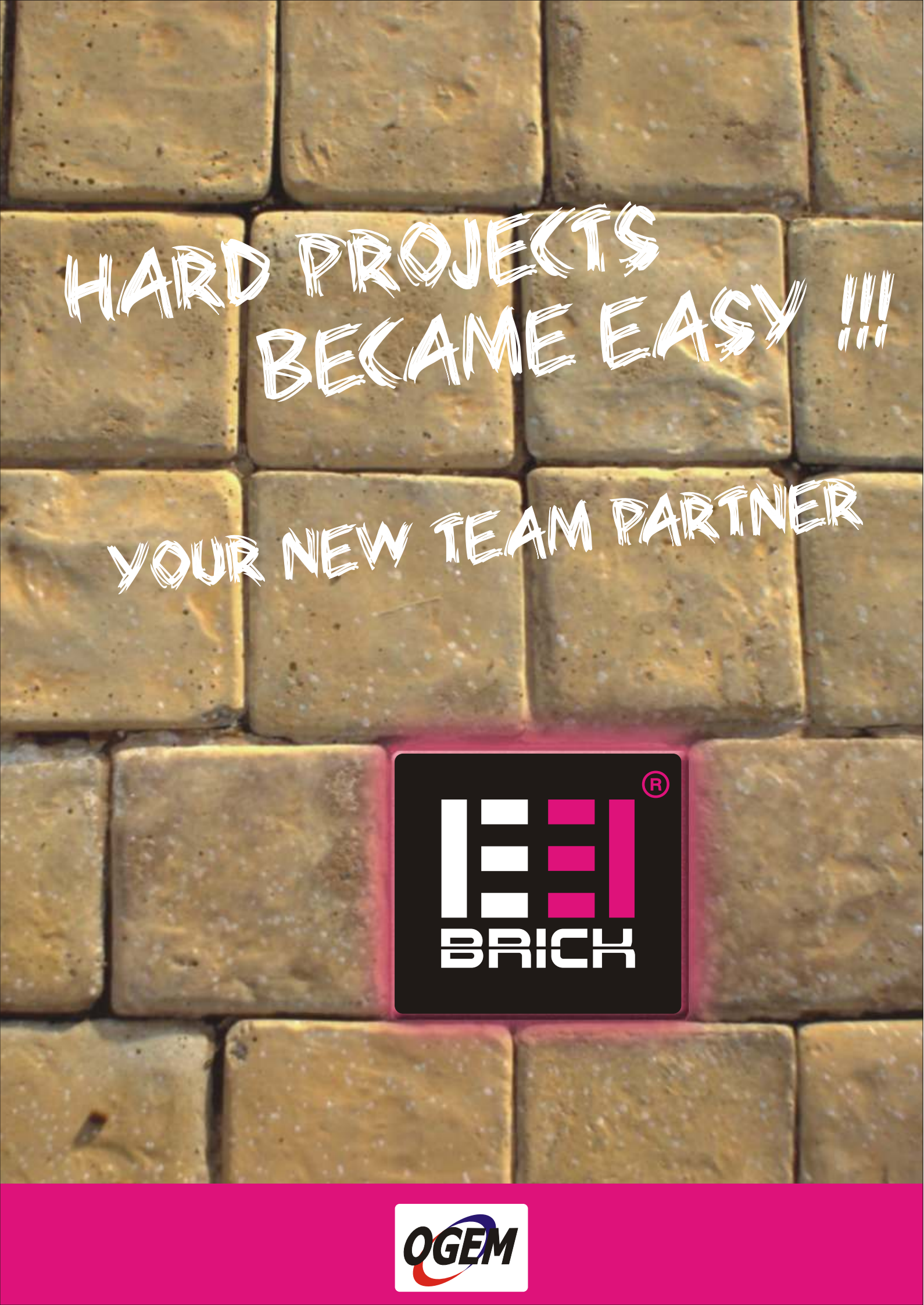
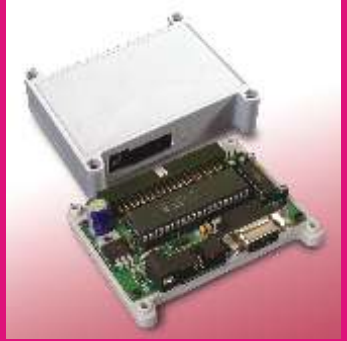

HARD PROJECTS
BECAME EASY !!!
YOUR NEW TEAM PARTNER
BRICK
OGEM

E-brickCPU_1

E-brick CPU_1

CPU module consisting of ;
1.40 pins IC socket for microcontroller
2.40 pins IDC connector
3.Power Jack for power input
4.10 pins IDC connector, (PIC programming, ICSP)
5.DSUB9 female RS232 serial communication connector.
There is a PIC16F877A microcontroller that is plugged in 40 pins IC socket on the CPU module. RS232 serial communication unit can be used to connect the module and PC in order to transfer data between them. Programs prepared by the users can be transferred to the PIC by means of ICSP connector. Bootloader programs also can be used to load the programs. 8V-12Volt DC Voltage can be applied to the CPU module. The 7805 regulator on the board gives 5Volt, maximum 500mA output and supplies the modules.

E-brickCPU_1

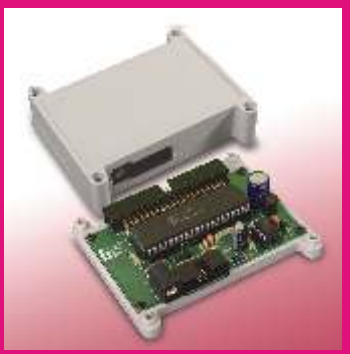


E-brickCPU_2

E-brick CPU_2

CPU module consisting of ;
1.40 pins IC socket for microcontroller
2.40 pins IDC connector
3.Power Jack for power input
4.10 pins IDC connector, (PIC programming, ICSP).
There is a PIC16F877A microcontroller that is plugged in 40 pins IC socket on the CPU module. RS232 serial communication unit can be used to connect the module and PC in order to transfer data between them. Programs prepared by the users can be transferred to the PIC by means of ICSP connector. When RS232 serial communication is needed E-brickProto_2 Protoboard module should be used. 8V-30Volt DC Voltage can be applied to the CPU module. The switched mode regulator on the board gives 5Volt, maximum 500mA output and supplies the modules.

E-brickCPU_2

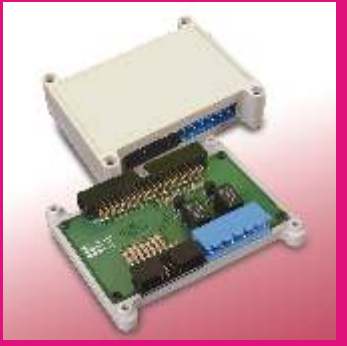


E-brickIO

E-brick IO

Input/Output module consisting of;
1.40 pins IDC connector
1.6 pins screwed terminal connector, (for 2 mini relay)
2.16 pins IDC connector, 7 for I/O pins, GND and +5 volt.
There is 2 mini Relay on the Input/Output module. Relay output pins connected to the 6 pins connectors. 7 I/O pins of the PIC microcontroller is also connected to the 14 pins IDC male connector.

E-brickIO



E-brickLCD

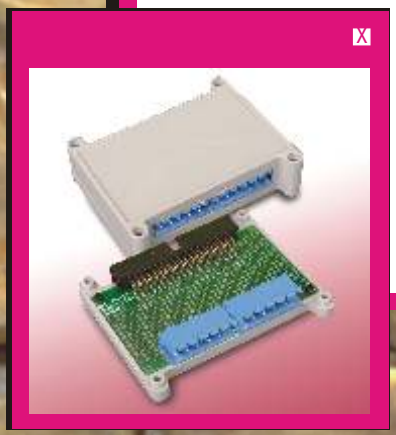
E-brickLCD

LCD and Key Pad Module consisting of;
1.40 pins IDC connector
1.8 multiplexed keys
2.2x16 characters LCD unit
3.Real Time Clock DS1307
There is a DS1307 Real Time Clock IC and Lithium battery on the module board for clock applications. There is also 2 line and 16 characters LCD unit, 2x4 multiplexed key pad . It is intended to supply the user data input and display demand.

E-brickProto_1

E-brick Proto_1

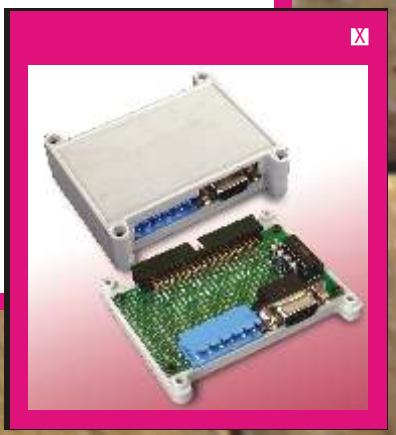
Protoboard module consisting of;
1.40 pins IDC connector
1.Prototype circuit area
2.12 pins screwed terminal connector area
This module board is a prototype board that user can build own circuits for the projects.

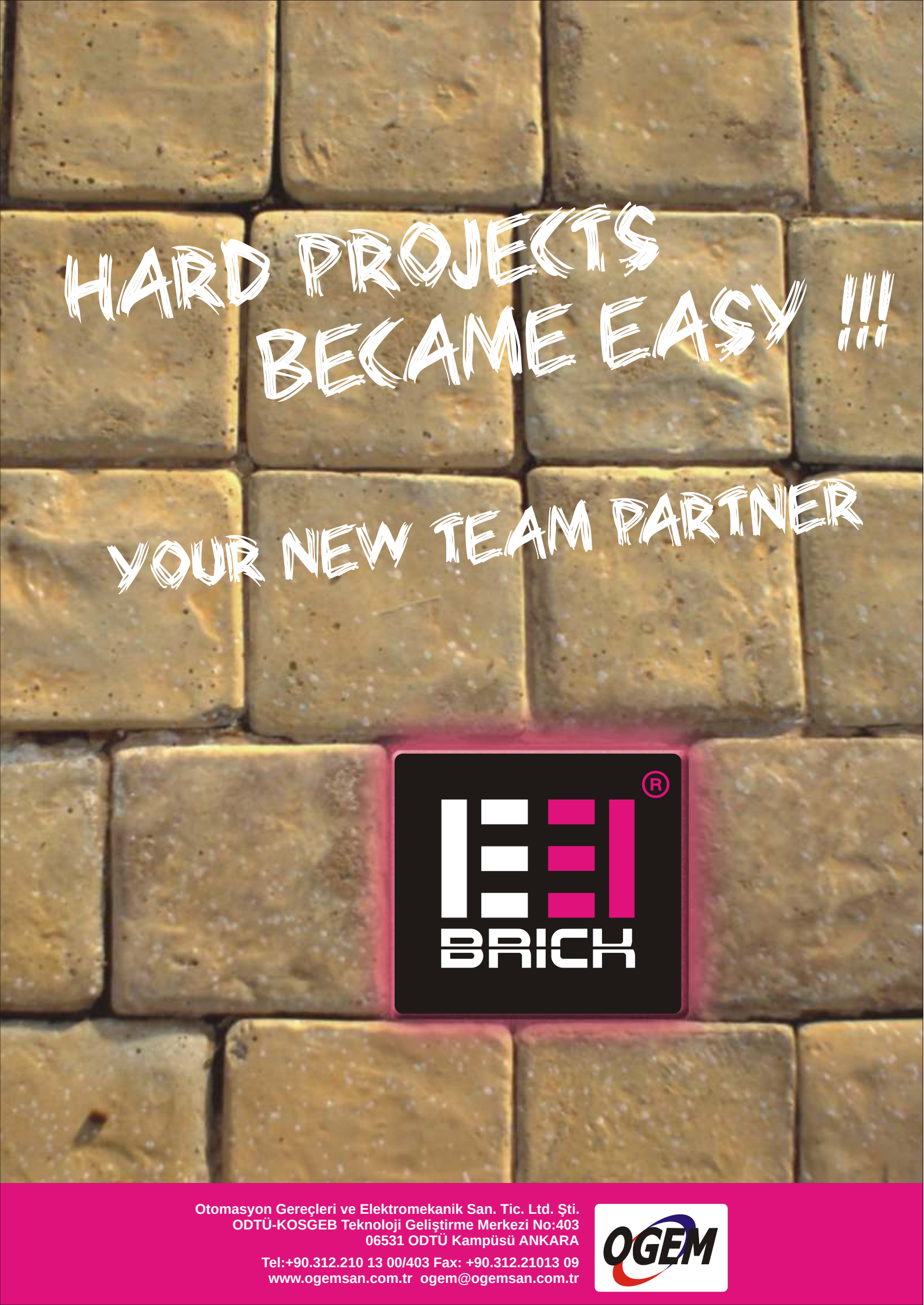


E-brickProto_2

E-brick Proto_2

Protoboard module consisting of;
1.40 pins IDC connector
2.Prototype circuit area
3.12 pins screwed terminal connector area
4.DSUB9 Female RS232 serial connector
This module board is a prototype board that user can build own circuits for the projects. On the board there is also RS232 serial communication unit to support serial data transfer demand.





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