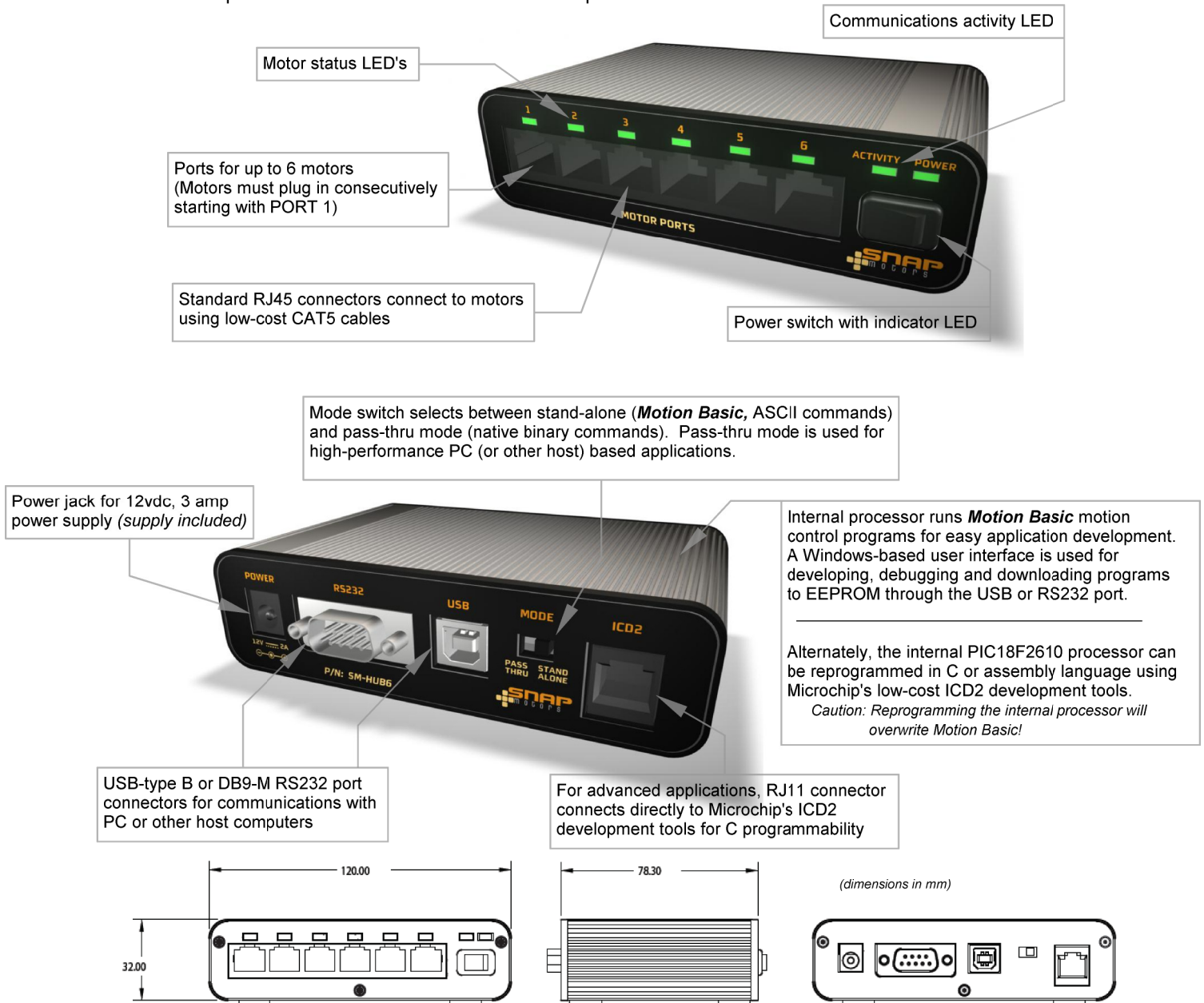## SNAP HUB FEATURES *(model SM-HUB6)*

- Connect up to 6 snap motors
- Provides all power and communications signals to motors
- Supports stand-alone control with embedded **Motion Basic** programming language
- Supports pass-thru communications for PC or other host based control
- USB or RS232 ports conenct to PC or other computers

Communications activity LED

Motor status LED's

Ports for up to 6 motors
(Motors must plug in consecutively starting with PORT 1)

Standard RJ45 connectors connect to motors using low-cost CAT5 cables

Power switch with indicator LED

Mode switch selects between stand-alone (**Motion Basic**, ASCII commands) and pass-thru mode (native binary commands). Pass-thru mode is used for high-performance PC (or other host) based applications.

Power jack for 12vdc, 3 amp power supply *(supply included)*

Internal processor runs **Motion Basic** motion control programs for easy application development. A Windows-based user interface is used for developing, debugging and downloading programs to EEPROM through the USB or RS232 port.

Alternately, the internal PIC18F2610 processor can be reprogrammed in C or assembly language using Microchip's low-cost ICD2 development tools.
Caution: Reprogramming the internal processor will overwrite Motion Basic!

USB-type B or DB9-M RS232 port connectors for communications with PC or other host computers

For advanced applications, RJ11 connector connects directly to Microchip's ICD2 development tools for C programmability

120.00

32.00

78.30

(dimensions in mm)

RS232 Port (DB9 – M)		Motor Port (RJ45)				Power Jack
Pin 2	TX	Pin 1	+12v	Pin 5	RS485 TX-	+12vdc, 3 Amp
Pin 3	RX	Pin 2	ADDR_OUT	Pin 6	RS485 RX-	Center positive
Pin 5	GND	Pin 3	RS485 RX+	Pin 7	ADDR_IN	5.5mm O.D.
Pins 1,4,6,7,8,9	N.C.	Pin 4	RS485 TX+	Pin 8	GND	2.5mm I.D.