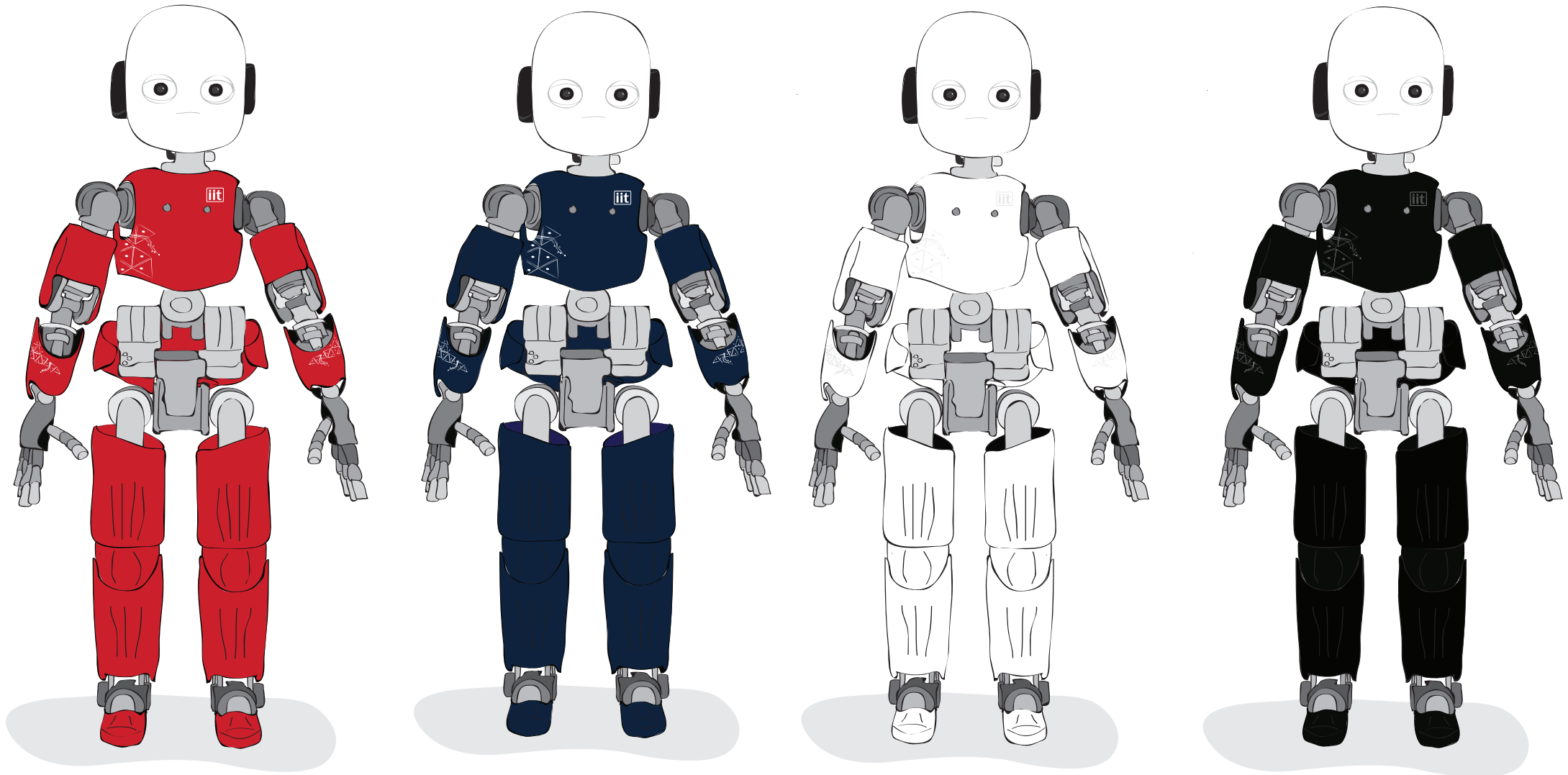# Artificial Skin
with MTB interface boards

Large Area tactile sensor based on capacitive technology. Up to 16 triangles with 12 sensors each (192 taxels) interconnected on a flexible-pcb driven by a microcontroller board (MTB). The skin can be cut from the triangular panel and applied to any 3D surface.
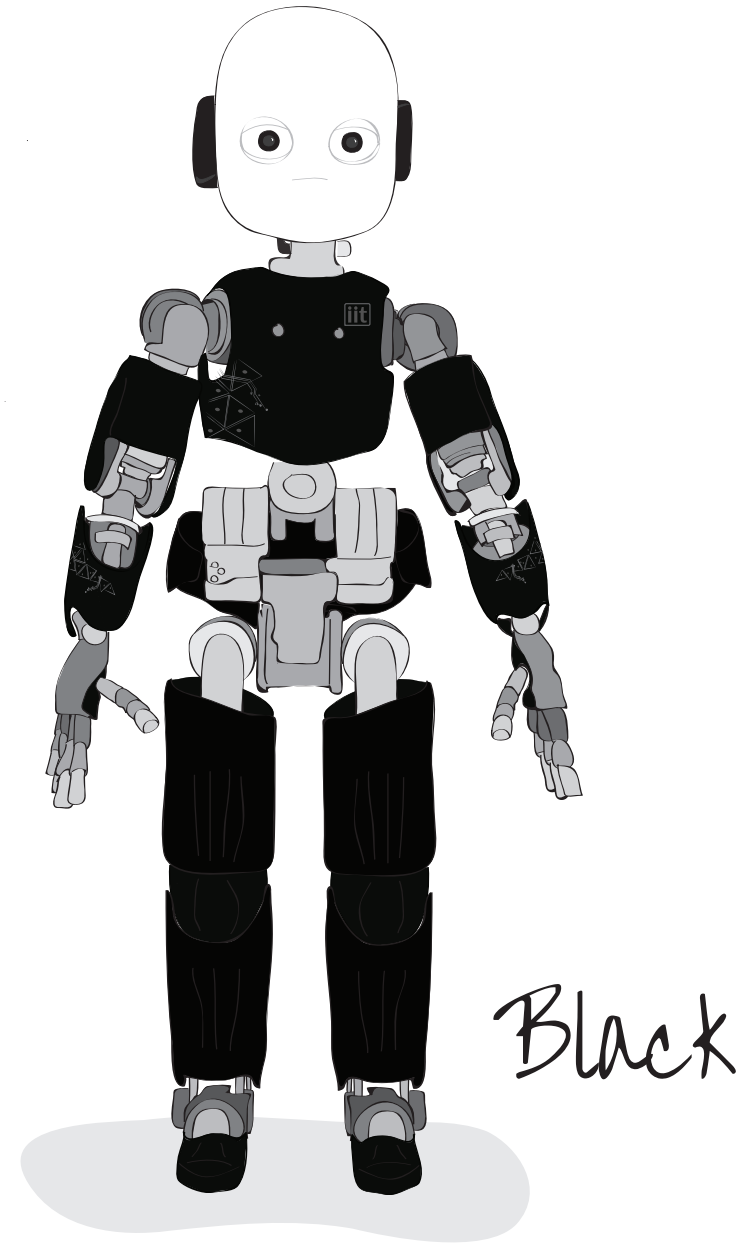
Specifications

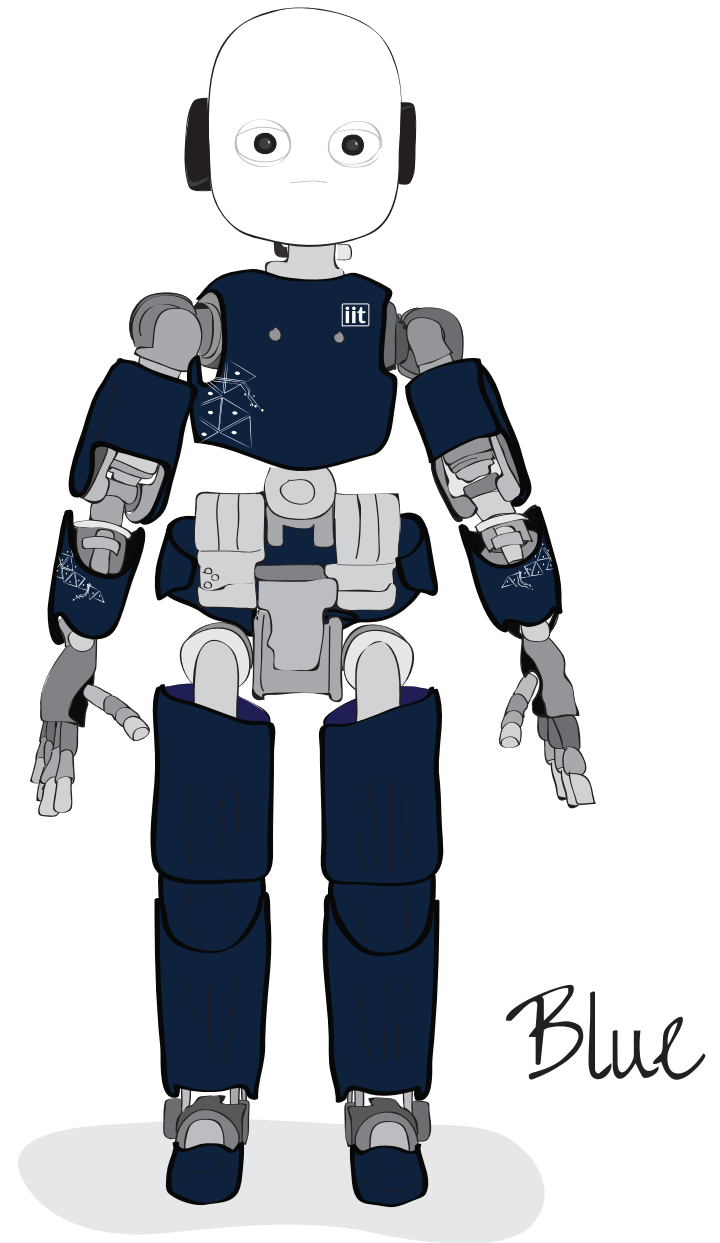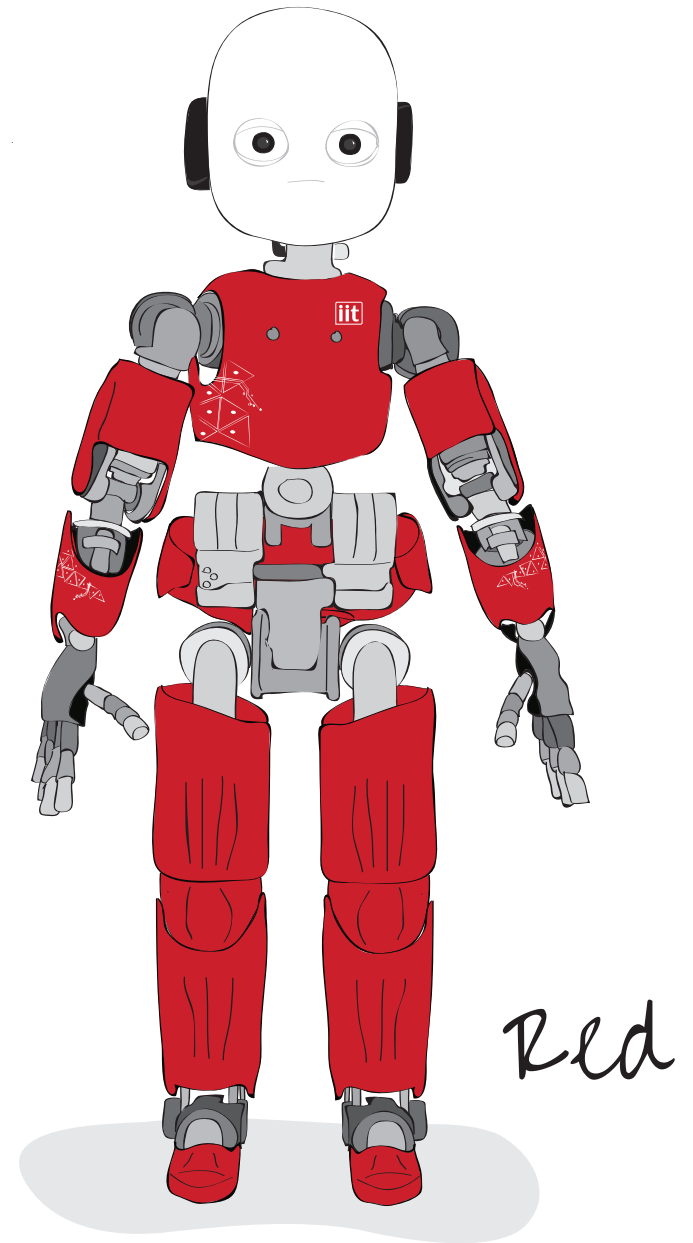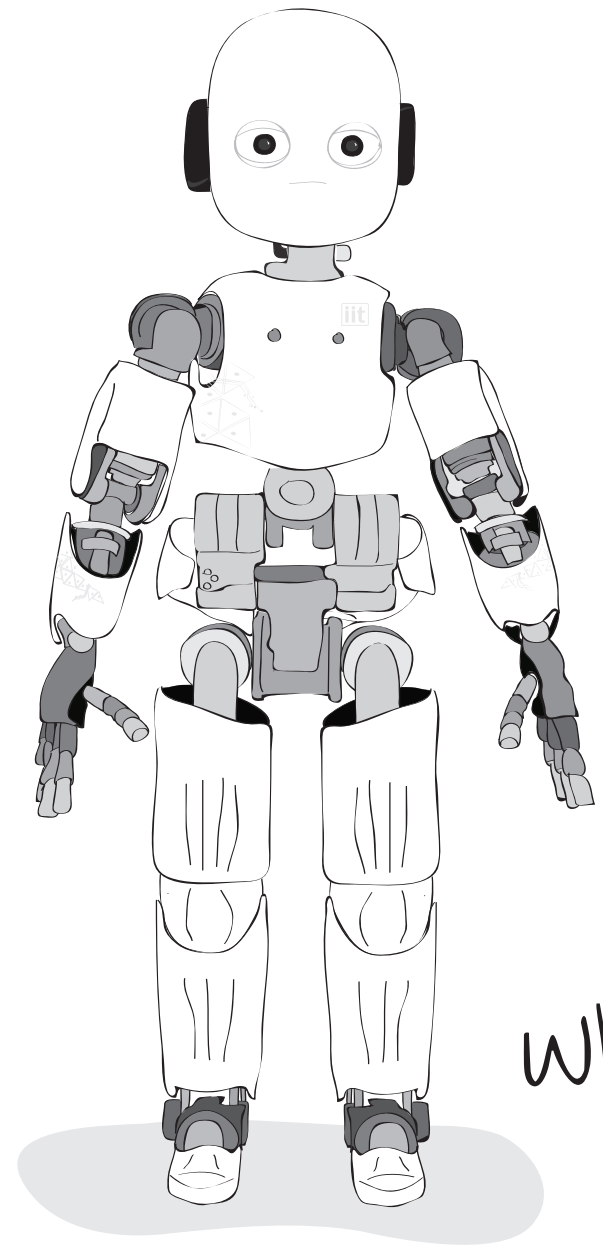|	
Power supply	5V±10%, current consumption max 70mA
Communication	CAN Bus 2.0B 1Mbps
Microcontroller	dsPIC30F4011 16bit, 40MIPS, 48K Flash, 2K RAM, CAN, SPI
Resolution	8 bit
Bandwidth	From 25Hz up to 250Hz
Utilities	In field reprogramming, drive configuration, graphical data analysis
Operating conditions	0 to 50°C, humidity <85% without condensation
Dimensions [LWH]	MTB 25.5x17.4x7mm / Triangle side of 30mm, etched on a 0.22 mm flexible PCB
Weight	MTB 2g / Triangle 0.3g

iCub

iCub

Black

iCub

Blue

iCub

Red

iCub

white