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SmartBand

Specification

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Preface

Developer World

For the latest technical news, tutorials and development tools go to sonymobile.com/developer.

About this document

This document describes the Sony Mobile SmartBand product

Document history

Change history		
2013-12-18	Version 1.0	First revision
2014-02-24	Version 2.0	Updated Operating System compatibility
2014-05-13	Version 3.0	Updated Operating System compatibility in SmartBand summary.

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SmartBand summary

SmartBand is Sony's first 24/7 product with completely new interaction possibilities. A band worn on the wrist that monitors your body movements and interacts with your Smartphone (via Bluetooth®) to present your life and movements on screen.

SmartBand count your steps and physical activities when sleeping, walking and running. Set to track your personal goals.

The design is IP58 classed to make it resistant to dust and water. It operates either as a companion to any Android (v4.4 or later) mobile phone or as a standalone device.

Facts – dimensions, weight and performance

Processor	ARM Cortex-M0 32 bit process
Size (module)	40,7x15,3x7,8 mm
Length of wrist band	
Large	250 mm
Small	214 mm
Weight	
Module	6 gram
Large wrist band including module	21 gram
Small wrist band including module	20 gram
Available colours	White, Black and Purple
Keys	1 (On/Off)
Vibrator	Yes
LED	Three white LED
Memory	
Flash	256kB internal embedded flash

RAM	16kB RAM
Bluetooth	
Bluetooth specification	4.0 low energy
Transfer rate	<3Mbps
NFC	Yes, for One touch™ pairing
USB	Yes, standard μUSB for charging only
Battery	
Type	Lithium Polymer
Capacity	35mA
Charge time	≤1hour
Usage Time	
Typical usage	5days
Stand-by time	5days
Environmental data	
Operating temperature range	-20°C to +60°C
Operating humidity range	5 to 99% RH
Storage temperature range	-40°C to +85°C
Storage humidity range	20% to 95% RH
Charging temperature range	+10°C to 32°C
Water and dust classification	IP58

Requirements on Phone

Operating System compatibility	Any Android v4.4 or later
Bluetooth	v 4.0 or later