

Nuimo BLE GATT profile

Services

UUID	Description
0000180F-0000-1000-8000-00805F9B34FB	Battery Status
0000180A-0000-1000-8000-00805F9B34FB	Device Information
F29B1523-CB19-40F3-BE5C-7241ECB82FD1	LED Service
F29B1525-CB19-40F3-BE5C-7241ECB82FD2	Nuimo Service

Characteristics

UUID	Description	Values (Bytes in transmitted order)
00002A19-0000-1000-8000-00805F9B34FB	Battery level* (in %)	1 Byte, UINT8: 0..100
00002A29-0000-1000-8000-00805F9B34FB	Device Information	UTF8 String
F29B1524-CB19-40F3-BE5C-7241ECB82FD1	LED Matrix	<p><u>Bytes 1 – 11: 81 Bits for each LED and additional display options</u></p> <p>Byte 1: LEDs 1 – 8 (starting at top left, 1st LED is Least Significant Bit)</p> <p>Byte 2: LEDs 9 – 16</p> <p>...</p> <p>Byte 10: LEDs 73 – 80</p> <p>Byte 11: Bit 1: LED 81 (Least Significant Bit)</p> <p>Bit 2: reserved</p> <p>Bit 3: reserved</p> <p>Bit 4: reserved</p> <p>Bit 5: 0 = Transition with blink effect from previous LED matrix 1 = Transition with fading effect from previous LED matrix</p> <p>Bit 6: 1 = Interpret Byte 1 as identifier of built-in LED matrix</p> <p>Bit 7: reserved</p> <p>Bit 8: reserved</p> <p><u>Bytes 12 – 13: Brightness and display time</u></p> <p>Byte 12, UINT8: Brightness 0..255</p> <p>Byte 13, UINT8: Display time 0..255 (0..25.5 seconds)</p>
F29B1526-CB19-40F3-BE5C-7241ECB82FD2	Fly*	<p>Byte 1, UINT8: 0 = Left, 1 = Right, 4 = Up/Down (see 2nd Byte)</p> <p>Byte 2, UINT8: Distance of hand above sensor 0..255</p>
F29B1527-CB19-40F3-BE5C-7241ECB82FD2	Swipe & Touch*	<p>1 Byte, UINT8: Swipe: 0 = Left, 1 = Right, 2 = Up, 3 = Down, Touch: 4 = Left, 5 = Right, 6 = Top, 7 = Bottom Long T.: 8 = Left, 9 = Right, 10 = Top, 11 = Bottom</p>
F29B1528-CB19-40F3-BE5C-7241ECB82FD2	Rotation*	2 Bytes, SINT16: Rotation value, Clockwise: > 0, Counter-cw.: < 0
F29B1529-CB19-40F3-BE5C-7241ECB82FD2	Button Click*	1 Byte, UINT8: 0 = Release, 1 = Press

(*) Characteristic allows notification subscriptions

