

# Sleep Study

COMPUTER NAME	DESKTOP-NQKNBJS
SYSTEM PRODUCT NAME	Microsoft Corporation Surface Pro 4
BIOS	106.1281.768 08/01/2016
OS BUILD	14393.576.amd64fre.rs1_release_inmarket.161208-2252
PLATFORM ROLE	Slate
REPORT TIME	2016-12-26 18:17:09

## Connected Standby Transitions

Battery drains over the last 3 days



### Legend

GRAPH LINE	DESCRIPTION
Dotted	AC power
Solid	Battery power
No line	System powered off
Grey	Active Scenario
Green	Low System Activity
Orange	Moderate System Activity
Red	High System Activity

	START TIME	DURATION	ENERGY CHANGE	CHANGE RATE	% LOW POWER STATE TIME
1	2016-12-26 17:20:44	0:30:06	- -	- Charge	0% HW: -

## Analysis Results

Analysis of issues that might cause poor battery life



Connected Standby Session 1

	START TIME	DURATION	ENERGY CHANGE	CHANGE RATE	% LOW POWER STATE TIME	
1	2016-12-26 17:20:44	0:30:06	- -	- Charge	0%	HW: - :

DRIPS Histogram

Percent of time spent in DRIPS bucketed by time interval length



Top Offenders

Top 5 offenders, ranked by active time

NAME	TYPE	% ACTIVE TIME	ACTIVE TIME
Maintenance Phase	PDC Phase	98%	0:29:35
No CS Phase	PDC Phase	1%	0:00:13
PLM Phase	PDC Phase	1%	0:00:12
Shell Phase	PDC Phase	0%	0:00:00
Connection Phase	PDC Phase	0%	0:00:00

- Activators

No activator activity reported.

+ Processors

- Fx Devices

No device activity reported.

- PDC Phases

PHASE	% TIME	TIME
No CS Phase	0.7%	0:00:13
Connection Phase	0.0%	0:00:00
Shell Phase	0.0%	0:00:00
PLM Phase	0.7%	0:00:12
Maintenance Phase	98.3%	0:29:35
DAM Phase	0.0%	0:00:00
Low Power Phase	0.0%	0:00:00
Resiliency Notification Phase	0.0%	0:00:00
Resiliency Phase	0.0%	0:00:00

- No CS Phase Offenders
- + NoCsPhase.Invalid
- PLM Phase Offenders
- + PLM(0):Microsoft.MicrosoftEdge\_8wekyb3d8bbwe!MicrosoftEdge
- + PLM(6001):Microsoft.MicrosoftEdge\_8wekyb3d8bbwe!MicrosoftEdge
- + PLM(0):Microsoft.LockApp\_cw5n1h2xyewy!WindowsDefaultLockScreen

- + PEP Pre-Vetoes
- + SoC Subsystems

### Srum Data

Data obtained from the SRUM database. \* in Energy Estimation means the energy is from energy meter. Otherwise, it is from software model estimation.

- + Energy Meter
- + Energy Estimation

## Installed batteries

Information about each currently installed battery

	BATTERY 1
NAME	X910527
MANUFACTURER	SMP
SERIAL NUMBER	56775
CHEMISTRY	LION
DESIGN CAPACITY	38,152 mWh
CAPACITY RATIO	96%
CYCLE COUNT	67