
**UNITED STATES
SECURITIES AND EXCHANGE COMMISSION
Washington, D.C. 20549**

FORM 6-K

**REPORT OF FOREIGN PRIVATE ISSUER PURSUANT TO RULE 13a-16 OR 15d-16 UNDER THE SECURITIES
EXCHANGE ACT OF 1934**

For the month of August 2020

Commission File Number: **000-30910**

O2Micro International Limited
(Translation of registrant's name into English)

Grand Pavilion Commercial Centre, West Bay Road
P.O. Box 32331 SMB, George Town
Grand Cayman
(Address of principal executive office)

Indicate by check mark whether the registrant files or will file annual reports under cover of Form 20-F or Form 40-F.
Form 20-F [X] Form 40-F []

Indicate by check mark if the registrant is submitting the Form 6-K in paper as permitted by Regulation S-T Rule 101(b)(1):

Note: Regulation S-T Rule 101(b)(1) only permits the submission in paper of a Form 6-K if submitted solely to provide an attached annual report to security holders.

Indicate by check mark if the registrant is submitting the Form 6-K in paper as permitted by Regulation S-T Rule 101(b)(7):

Note: Regulation S-T Rule 101(b)(7) only permits the submission in paper of a Form 6-K if submitted to furnish a report or other document that the registrant foreign private issuer must furnish and make public under the laws of the jurisdiction in which the registrant is incorporated, domiciled or legally organized (the registrant's "home country"), or under the rules of the home country exchange on which the registrant's securities are traded, as long as the report or other document is not a press release, is not required to be and has not been distributed to the registrant's security holders, and, if discussing a material event, has already been the subject of a Form 6-K submission or other Commission filing on EDGAR.

On August 3, 2020, the Registrant issued a press release, a copy of which is attached hereto as Exhibit 99.1 and is incorporated herein by reference.

(c) [Exhibit 99.1](#). Press release dated August 3, 2020

SIGNATURES

Pursuant to the requirements of the Securities Exchange Act of 1934, the registrant has duly caused this report to be signed on its behalf by the undersigned, thereunto duly authorized.

O2Micro International Limited

(Registrant)

Date: August 3, 2020

/s/ Sterling Du

Sterling Du
Chief Executive Officer

System and Method for Estimating a Remaining Capacity of a Battery Granted to O2Micro

GEORGE TOWN, Grand Cayman, Aug. 03, 2020 (GLOBE NEWSWIRE) -- O₂Micro[®] International Limited (NASDAQ Global Select Market: OIIM), a global leader in the design, development and marketing of high-performance integrated circuits and solutions, today announced the grant of a patent for a system and method for estimating a remaining capacity of a battery.

O₂Micro was issued 20 claims under US patent US 10,534,037 B2 on Jan 14, 2020 for the invention of devices with battery remaining capacity estimating functions. A device includes an interface and a processor. The interface receives information for a parameter indicative of a status of a battery. The processor calculates a remaining capacity of the battery, calculates a capacity ratio of the calculated remaining capacity to a capacity reference of the battery, compares the parameter with a parameter reference to generate a first comparison result, compares the capacity ratio with a ratio reference to generate a second comparison result, sets an amount according to the first and second comparison results, and changes the calculated remaining capacity by the amount.

Dr. Guoxing Li, VP of Advanced Technology, O₂Micro, commented, "This invention provides more accurate battery remaining capacity estimation for portable Li-Ion powered devices to improve the user experience."

About O2Micro:

Founded in April 1995, O2Micro develops and markets innovative power management components for the Computer, Consumer, Industrial and Automotive markets. Products include Backlighting and Battery Management.

O2Micro, the O2Micro logo, and combinations thereof are registered trademarks of O2Micro. All other trademarks or registered trademarks are the property of their respective owners.

Statements made in this release that are not historical, including statements regarding O2Micro's or management's intentions, hopes, beliefs, expectations, representations, projections, plans or predictions of the future, are forward-looking statements within the meaning of the Private Securities Litigation Reform Act of 1995. Such statements involve risks and uncertainties that may cause actual results to differ materially from those set forth in these statements. Factors that could cause actual results to differ materially include risks and uncertainties such as reduced demand for products of electronic equipment manufacturers which include O2Micro's products due to adverse economic conditions in general or specifically affecting O2Micro's markets, technical difficulties and delays in the developments process, and errors in the products. You are also referred to the Form F-1 in connection with the company's initial public offering in August 2000, Form F-3 in connection with the company's public offering in November 2001, and the annual reports on Form 20-F, which identify important risk factors that could cause actual results to differ from those contained in the forward-looking statements. The company assumes no obligation to update or revise any forward-looking information, whether as a result of new information, future events or otherwise.

O2Micro
Daniel Meyberg
Investor Relations
ir@o2micro.com