

Preliminary Information

**AP9618U and
AP9619U
upgrade kits**

You can use an AP9618U kit to convert an AP9617 Network Management Card *EY* or an AP9619 Network Management Card *EM* into an AP9618 Network Management Card *EM/MDM*.

You can use an AP9619U kit to convert an AP9617 Network Management Card *EY* into an AP9619 Network Management Card *EM*.

**Integrated
Environmental
Monitor feature
(AP9618 and
AP9619)**

The AP9618 and AP9619 Management Cards include an Integrated Environmental Monitor that provides the following features:

- A temperature/humidity probe
- Two input contacts
- Two-position output relay

In addition to the Integrated Environmental Monitor, an AP9618 or AP9619 Management Card can still monitor and manage an external Environmental Monitoring Unit or Environmental Monitoring Card.

**Internal analog
modem feature
(AP9618)**

An AP9618 Network Management Card *EM/MDM* has an internal analog modem that provides for the following out-of-band communication:

- Dial-out notifications for APC's Remote Monitoring Service (RMS)
- Dial-in access to the Management Card's Console Interface

**Related
documents**

The APC Network Management Card *utility* CD contains the following documentation:

- *Network Management Card User's Guide* (`.\doc\usrguide.pdf`)
- *Management Card Addendum* (`.\doc\addendum.pdf`)
- *PowerNet[®] Management Information Base (MIB) Reference Guide* (`.\doc\mibguide.pdf`)
- CD-ROM contents file (`.\content.txt`)
- *Network Management Card Release Notes* (`.\relnotes.txt`)
- Installation instructions in text format (`.\install.txt`)
- Troubleshooting documents (`.\trouble\*.*`)

Ap9617 Manual

R Barnett



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web sep 20 2014 i will illustrate this with some examples when an acid is neutralised by an alkali the reaction is exothermic eg 1 $\text{HCl(aq)} + \text{NaOH(aq)} \rightarrow \text{NaCl(aq)} + \text{H}_2\text{O(l)}$ for which $\Delta H = -57 \text{ kJ mol}^{-1}$ eg 2 $\text{HNO}_3(\text{aq}) + \text{KOH(aq)} \rightarrow \text{KNO}_3(\text{aq}) + \text{H}_2\text{O(l)}$ for which $\Delta H = -57 \text{ kJ mol}^{-1}$

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web the enthalpy change of neutralisation is defined as the enthalpy change when solutions of an acid and alkali react together to produce one mole of water for example $\text{HCl(aq)} + \text{NaOH(aq)} \rightarrow \text{NaCl(aq)} + \text{H}_2\text{O(aq)}$ you can see that one mole of water is produced when one mole of hcl or one mole of naoh reacts