

USB HID usage table

This usage table lets usbhidctl decode the HID data correctly for the APC RS/XS1000's.

This work was obtained from riccardo@torrini.org.

Sample output is available both [with](#) and [without](#) the table.

Note that the default /usr/share/misc/usb_hid_usages already contains entries for these a Power Device (132 or 0x84) and a Battery System (133 or 0x85). It is interesting that usbhidctl shows the APC as using 0xff84 and 0xff84 for their values. The HID Power Devices specification indicates 0x84 and 0x85. There is at least one macro in /usr/include/dev/usb/usbhid.h which removes the high order bits. Perhaps we need to do that when using the values. Perhaps this macro:

```
#define HID_USAGE2(p,u) (((p) << 16) | u)
```

The file is available without HTML formatting [here](#).

```
# $NetBSD: usb_hid_usages,v 1.3 1999/07/02 15:46:53 simonb Exp $
# $FreeBSD: src/share/misc/usb_hid_usages,v 1.1.2.1 2000/07/02 13:13:55 n_hibma Exp $
#
# USB HID usage table
# Syntax:
# - lines that do not start with a white space give the number and name of
#   a usage page.
# - lines that start with a white space give the number and name of
#   a usage with the last given page.
# If the number is * then the line matches all usages and the name
# is a printf formatting string that will be given the usage number.
#
1      Generic Desktop
      0x00      Undefined
      0x01      Pointer
      0x02      Mouse
      0x03      Reserved
      0x04      Joystick
      0x05      Game Pad
      0x06      Keyboard
      0x07      Keypad
      0x08      Multi-axis Controller
      0x30      X
      0x31      Y
      0x32      Z
      0x33      Rx
      0x34      Ry
      0x35      Rz
      0x36      Slider
      0x37      Dial
      0x38      Wheel
      0x39      Hat Switch
      0x3A      Counted Buffer
      0x3B      Byte Count
      0x3C      Motion Wakeup
      0x40      Vx
      0x41      Vy
      0x42      Vz
      0x43      Vbrx
      0x44      Vbry
      0x45      Vbrx
      0x46      Vno
      0x80      System Control
      0x81      System Power Down
      0x82      System Sleep
      0x83      System Wake Up
      0x84      System Context Menu
      0x85      System Main Menu
      0x86      System App Menu
      0x87      System Menu Help
      0x88      System Menu Exit
      0x89      System Menu Select
      0x8A      System Menu Right
      0x8B      System Menu Left
      0x8C      System Menu Up
      0x8D      System Menu Down
      0x90      D-pad Up
      0x91      D-pad Down
      0x92      D-pad Right
      0x93      D-pad Left

2      Simulation Controls
      0x00      Undefined
      0x01      Flight Simulation Device
      0x02      Automobile Simulation Device
      0x03      Tank Simulation Device
      0x04      Spaceship Simulation Device
      0x05      Submarine Simulation Device
      0x06      Sailing Simulation Device
      0x07      Motorcycle Simulation Device
      0x08      Sports Simulation Device
      0x09      Airplane Simulation Device
      0x0A      Helicopter Simulation Device
      0x0B      Magic Carpet Simulation Device
      0x0C      Bicycle
      0x20      Flight Control Stick
      0x21      Flight Stick
      0x22      Cyclic Control
      0x23      Cyclic Trim
      0x24      Flight Yoke
```

	0x25	Track Control
	0x26	Driving Control
	0xB0	Aileron
	0xB1	Aileron Trim
	0xB2	Anti-Torque Control
	0xB3	Auto-pilot Enable
	0xB4	Chaff Release
	0xB5	Collective Control
	0xB6	Dive Brake
	0xB7	Electronic Counter Measures
	0xB8	Elevator
	0xB9	Elevator Trim
	0xBA	Rudder
	0xBB	Throttle
	0xBC	Flight Communication
	0xBD	Flare Release
	0xBE	Landing Gear
	0xBF	Toe Brake
	0xC0	Trigger
	0xC1	Weapons Arm
	0xC2	Weapons Select
	0xC3	Wing Flaps
	0xC4	Accelerator
	0xC5	Brake
	0xC6	Clutch
	0xC7	Shifter
	0xC8	Steering
	0xC9	Turret Direction
	0xCA	Barrel Elevation
	0xCB	Dive Plane
	0xCC	Ballast
	0xCD	Bicycle Crank
	0xCE	Handle Bars
	0xCF	Front Brake
	0xD0	Rear Brake

3	VR Controls	
	0x00	Unidentified
	0x01	Belt
	0x02	Body Suit
	0x03	Flexor
	0x04	Glove
	0x05	Head Tracker
	0x06	Head Mounted Display
	0x07	Hand Tracker
	0x08	Oculometer
	0x09	Vest
	0x0A	Animatronic Device
	0x20	Stereo Enable
	0x21	Display Enable

4	Sports Controls	
	0x00	Unidentified
	0x01	Baseball Bat
	0x02	Golf Club
	0x03	Rowing Machine
	0x04	Treadmill
	0x30	Oar
	0x31	Slope
	0x32	Rate
	0x33	Stick Speed
	0x34	Stick Face Angle
	0x35	Stick Heel/Toe
	0x36	Stick Follow Through
	0x37	Stick Tempo
	0x38	Stick Type
	0x39	Stick Height
	0x50	Putter
	0x51	1 Iron
	0x52	2 Iron
	0x53	3 Iron
	0x54	4 Iron
	0x55	5 Iron
	0x56	6 Iron
	0x57	7 Iron
	0x58	8 Iron
	0x59	9 Iron
	0x5A	10 Iron
	0x5B	11 Iron
	0x5C	Sand Wedge
	0x5D	Loft Wedge
	0x5E	Power Wedge
	0x5F	1 Wood
	0x60	3 Wood
	0x61	5 Wood
	0x62	7 Wood
	0x63	9 Wood

5	Game Controls	
	0x00	Undefined
	0x01	3D Game Controller
	0x02	Pinball Device
	0x03	Gun Device
	0x20	Point of View
	0x21	Turn Right/Left
	0x22	Pitch Right/Left
	0x23	Roll Forward/Backward
	0x24	Move Right/Left
	0x25	Move Forward/Backward
	0x26	Move Up/Down

0x27	Lean Right/Left
0x28	Lean Forward/Backward
0x29	Height of POV
0x2A	Flipper
0x2B	Secondary Flipper
0x2C	Bump
0x2D	New Game
0x2E	Shoot Ball
0x2F	Player
0x30	Gun Bolt
0x31	Gun Clip
0x32	Gun Selector
0x33	Gun Single Shot
0x34	Gun Burst
0x35	Gun Automatic
0x36	Gun Safety
0x37	Gamepad Fire/Jump
0x39	Gamepad Trigger

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Keyboard

0x00	Reserved (no event indicated)
0x01	Keyboard ErrorRollOver
0x02	Keyboard POSTFail
0x03	Keyboard ErrorUndefined
0x04	Keyboard a and A
0x05	Keyboard b and B
0x06	Keyboard c and C
0x07	Keyboard d and D
0x08	Keyboard e and E
0x09	Keyboard f and F
0x0A	Keyboard g and G
0x0B	Keyboard h and H
0x0C	Keyboard i and I
0x0D	Keyboard j and J
0x0E	Keyboard k and K
0x0F	Keyboard l and L
0x10	Keyboard m and M
0x11	Keyboard n and N
0x12	Keyboard o and O
0x13	Keyboard p and P
0x14	Keyboard q and Q
0x15	Keyboard r and R
0x16	Keyboard s and S
0x17	Keyboard t and T
0x18	Keyboard u and U
0x19	Keyboard v and V
0x1A	Keyboard w and W
0x1B	Keyboard x and X
0x1C	Keyboard y and Y
0x1D	Keyboard z and Z
0x1E	Keyboard 1 and !
0x1F	Keyboard 2 and @
0x20	Keyboard 3 and #
0x21	Keyboard 4 and \$
0x22	Keyboard 5 and %
0x23	Keyboard 6 and ^
0x24	Keyboard 7 and &
0x25	Keyboard 8 and *
0x26	Keyboard 9 and (
0x27	Keyboard 0 and)
0x28	Keyboard Return (ENTER)
0x29	Keyboard ESCAPE
0x2A	Keyboard DELETE (Backspace)
0x2B	Keyboard Tab
0x2C	Keyboard Spacebar
0x2D	Keyboard - and (underscore)
0x2E	Keyboard = and +
0x2F	Keyboard [and {
0x30	Keyboard] and }
0x31	Keyboard \ and
0x32	Keyboard Non-US # and ~
0x33	Keyboard ; and :
0x34	Keyboard ' and "
0x35	Keyboard Grave Accent and Tilde
0x36	Keyboard, and <
0x37	Keyboard . and >
0x38	Keyboard / and ?
0x39	Keyboard Caps Lock
0x3A	Keyboard F1
0x3B	Keyboard F2
0x3C	Keyboard F3
0x3D	Keyboard F4
0x3E	Keyboard F5
0x3F	Keyboard F6
0x40	Keyboard F7
0x41	Keyboard F8
0x42	Keyboard F9
0x43	Keyboard F10
0x44	Keyboard F11
0x45	Keyboard F12
0x46	Keyboard PrintScreen
0x47	Keyboard Scroll Lock
0x48	Keyboard Pause
0x49	Keyboard Insert
0x4A	Keyboard Home
0x4B	Keyboard PageUp
0x4C	Keyboard Delete Forward
0x4D	Keyboard End
0x4E	Keyboard PageDown
0x4F	Keyboard RightArrow

0x50	Keyboard LeftArrow
0x51	Keyboard DownArrow
0x52	Keyboard UpArrow
0x53	Keypad Num Lock and Clear
0x54	Keypad /
0x55	Keypad *
0x56	Keypad -
0x57	Keypad +
0x58	Keypad ENTER
0x59	Keypad 1 and End
0x5A	Keypad 2 and Down Arrow
0x5B	Keypad 3 and PageDn
0x5C	Keypad 4 and Left Arrow
0x5D	Keypad 5
0x5E	Keypad 6 and Right Arrow
0x5F	Keypad 7 and Home
0x60	Keypad 8 and Up Arrow
0x61	Keypad 9 and PageUp
0x62	Keypad 0 and Insert
0x63	Keypad . and Delete
0x64	Keyboard Non-US \ and
0x65	Keyboard Application
0x66	Keyboard Power
0x67	Keypad =
0x68	Keyboard F13
0x69	Keyboard F14
0x6A	Keyboard F15
0x6B	Keyboard F16
0x6C	Keyboard F17
0x6D	Keyboard F18
0x6E	Keyboard F19
0x6F	Keyboard F20
0x70	Keyboard F21
0x71	Keyboard F22
0x72	Keyboard F23
0x73	Keyboard F24
0x74	Keyboard Execute
0x75	Keyboard Help
0x76	Keyboard Menu
0x77	Keyboard Select
0x78	Keyboard Stop
0x79	Keyboard Again
0x7A	Keyboard Undo
0x7B	Keyboard Cut
0x7C	Keyboard Copy
0x7D	Keyboard Paste
0x7E	Keyboard Find
0x7F	Keyboard Mute
0x80	Keyboard Volume Up
0x81	Keyboard Volume Down
0x82	Keyboard Locking Caps Lock
0x83	Keyboard Locking Num Lock
0x84	Keyboard Locking Scroll Lock
0x85	Keypad Comma
0x86	Keypad Equal Sign
0x87	Keyboard International1
0x88	Keyboard International2
0x89	Keyboard International3
0x8A	Keyboard International4
0x8B	Keyboard International5
0x8C	Keyboard International6
0x8D	Keyboard International7
0x8E	Keyboard International8
0x8F	Keyboard International9
0x90	Keyboard LANG1
0x91	Keyboard LANG2
0x92	Keyboard LANG3
0x93	Keyboard LANG4
0x94	Keyboard LANG5
0x95	Keyboard LANG6
0x96	Keyboard LANG7
0x97	Keyboard LANG8
0x98	Keyboard LANG9
0x99	Keyboard Alternate Erase
0x9A	Keyboard SysReq/Attention
0x9B	Keyboard Cancel
0x9C	Keyboard Clear
0x9D	Keyboard Prior
0x9E	Keyboard Return
0x9F	Keyboard Separator
0xA0	Keyboard Out
0xA1	Keyboard Oper
0xA2	Keyboard Clear/Again
0xA3	Keyboard CrSel/Props
0xA4	Keyboard ExSel
0xE0	Keyboard LeftControl
0xE1	Keyboard LeftShift
0xE2	Keyboard LeftAlt
0xE3	Keyboard Left GUI
0xE4	Keyboard RightControl
0xE5	Keyboard RightShift
0xE6	Keyboard RightAlt
0xE7	Keyboard Right GUI

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LEDs	
0x00	Undefined
0x01	Num Lock
0x02	Caps Lock
0x03	Scroll Lock
0x04	Compose

	0x05	Kana
	0x06	Power
	0x07	Shift
	0x08	Do Not Disturb
	0x09	Mute
	0x0A	Tone Enable
	0x0B	High Cut Filter
	0x0C	Low Cut Filter
	0x0D	Equalizer Enable
	0x0E	Sound Field On
	0x0F	Surround Field On
	0x10	Repeat
	0x11	Stereo
	0x12	Sampling Rate Detect
	0x13	Spinning
	0x14	CAV
	0x15	CLV
	0x16	Recording Format Detect
	0x17	Off-Hook
	0x18	Ring
	0x19	Message Waiting
	0x1A	Data Mode
	0x1B	Battery Operation
	0x1C	Battery OK
	0x1D	Battery Low
	0x1E	Speaker
	0x1F	Head Set
	0x20	Hold
	0x21	Microphone
	0x22	Coverage
	0x23	Night Mode
	0x24	Send Calls
	0x25	Call Pickup
	0x26	Conference
	0x27	Stand-by
	0x28	Camera On
	0x29	Camera Off
	0x2A	On-Line
	0x2B	Off-Line
	0x2C	Busy
	0x2D	Ready
	0x2E	Paper-Out
	0x2F	Paper-Jam
	0x30	Remote
	0x31	Forward
	0x32	Reverse
	0x33	Stop
	0x34	Rewind
	0x35	Fast Forward
	0x36	Play
	0x37	Pause
	0x38	Record
	0x39	Error
	0x3A	Usage Selected Indicator
	0x3B	Usage In Use Indicator
	0x3C	Usage Multi Mode Indicator
	0x3D	Indicator On
	0x3E	Indicator Flash
	0x3F	Indicator Slow Blink
	0x40	Indicator Fast Blink
	0x41	Indicator Off
	0x42	Flash On Time
	0x43	Slow Blink On Time
	0x44	Slow Blink Off Time
	0x45	Fast Blink On Time
	0x46	Fast Blink Off Time
	0x47	Usage Indicator Color
	0x48	Red
	0x49	Green
	0x4A	Amber
	0x4B	Generic Indicator
	0x4C	System Suspend
	0x4D	External Power Connected
	0x4C-FFFF	Reserved
9	Button	
	0x00	No Button Pressed
	*	Button %d
10	Ordinal	
	0x00	Unused
	*	Instance %d
11	Telephony	
	0x00	Unassigned
	0x01	Phone
	0x02	Answering Machine
	0x03	Message Controls
	0x04	Handset
	0x05	Headset
	0x06	Telephony Key Pad
	0x07	Programmable Button
	0x20	Hook Switch
	0x21	Flash
	0x22	Feature
	0x23	Hold
	0x24	Redial
	0x25	Transfer
	0x26	Drop
	0x27	Park

0x28	Forward Calls
0x29	Alternate Function
0x2A	Line
0x2B	Speaker Phone
0x2C	Conference
0x2D	Ring Enable
0x2E	Ring Select
0x2F	Phone Mute
0x30	Caller ID
0x50	Speed Dial
0x51	Store Number
0x52	Recall Number
0x53	Phone Directory
0x70	Voice Mail
0x71	Screen Calls
0x72	Do Not Disturb
0x73	Message
0x74	Answer On/Off
0x90	Inside Dial Tone
0x91	Outside Dial Tone
0x92	Inside Ring Tone
0x93	Outside Ring Tone
0x94	Priority Ring Tone
0x95	Inside Ringback
0x96	Priority Ringback
0x97	Line Busy Tone
0x98	Reorder Tone
0x99	Call Waiting Tone
0x9A	Confirmation Tone 1
0x9B	Confirmation Tone 2
0x9C	Tones Off
0xB0	Phone Key 0
0xB1	Phone Key 1
0xB2	Phone Key 2
0xB3	Phone Key 3
0xB4	Phone Key 4
0xB5	Phone Key 5
0xB6	Phone Key 6
0xB7	Phone Key 7
0xB8	Phone Key 8
0xB9	Phone Key 9
0xBA	Phone Key Star
0xBB	Phone Key Pound
0xBC	Phone Key A
0xBD	Phone Key B
0xBE	Phone Key C
0xBF	Phone Key D

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Consumer	
0x00	Unassigned
0x01	Consumer Control
0x02	Numeric Key Pad
0x03	Programmable Buttons
0x20	+10
0x21	+100
0x22	AM/PM
0x30	Power
0x31	Reset
0x32	Sleep
0x33	Sleep After
0x34	Sleep Mode
0x35	Illumination
0x36	Function Buttons
0x40	Menu
0x41	Menu Pick
0x42	Menu Up
0x43	Menu Down
0x44	Menu Left
0x45	Menu Right
0x46	Menu Escape
0x47	Menu Value Increase
0x48	Menu Value Decrease
0x60	Data On Screen
0x61	Closed Caption
0x62	Closed Caption Select
0x63	VCR/TV
0x64	Broadcast Mode
0x65	Snapshot
0x66	Still
0x80	Selection
0x81	Assign Selection
0x82	Mode Step
0x83	Recall Last
0x84	Enter Channel
0x85	Order Movie
0x86	Channel
0x87	Media Selection
0x88	Media Select Computer
0x89	Media Select TV
0x8A	Media Select WWW
0x8B	Media Select DVD
0x8C	Media Select Telephone
0x8D	Media Select Program Guide
0x8E	Media Select Video Phone
0x8F	Media Select Games
0x90	Media Select Messages
0x91	Media Select CD
0x92	Media Select VCR
0x93	Media Select Tuner
0x94	Quit

0x95	Help
0x96	Media Select Tape
0x97	Media Select Cable
0x98	Media Select Satellite
0x99	Media Select Security
0x9A	Media Select Home
0x9B	Media Select Call
0x9C	Channel Increment
0x9D	Channel Decrement
0x9E	Media Select SAP
0xA0	VCR Plus
0xA1	Once
0xA2	Daily
0xA3	Weekly
0xA4	Monthly
0xB0	Play
0xB1	Pause
0xB2	Record
0xB3	Fast Forward
0xB4	Rewind
0xB5	Scan Next Track
0xB6	Scan Previous Track
0xB7	Stop
0xB8	Eject
0xB9	Random Play
0xBA	Select Disc
0xBB	Enter Disc
0xBC	Repeat
0xBD	Tracking
0xBE	Track Normal
0xBF	Slow Tracking
0xC0	Frame Forward
0xC1	Frame Back
0xC2	Mark
0xC3	Clear Mark
0xC4	Repeat From Mark
0xC5	Return To Mark
0xC6	Search Mark Forward
0xC7	Search Mark Backwards
0xC8	Counter Reset
0xC9	Show Counter
0xCA	Tracking Increment
0xCB	Tracking Decrement
0xE0	Volume
0xE1	Balance
0xE2	Mute
0xE3	Bass
0xE4	Treble
0xE5	Bass Boost
0xE6	Surround Mode
0xE7	Loudness
0xE8	MPX
0xE9	Volume Up
0xEA	Volume Down
0xF0	Speed Select
0xF1	Playback Speed
0xF2	Standard Play
0xF3	Long Play
0xF4	Extended Play
0xF5	Slow
0x100	Fan Enable
0x101	Fan Speed
0x102	Light
0x103	Light Illumination Level
0x104	Climate Control Enable
0x105	Room Temperature
0x106	Security Enable
0x107	Fire Alarm
0x108	Police Alarm
0x150	Balance Right
0x151	Balance Left
0x152	Bass Increment
0x153	Bass Decrement
0x154	Treble Increment
0x155	Treble Decrement
0x160	Speaker System
0x161	Channel Left
0x162	Channel Right
0x163	Channel Center
0x164	Channel Front
0x165	Channel Center Front
0x166	Channel Side
0x167	Channel Surround
0x168	Channel Low Frequency Enhancement
0x169	Channel Top
0x16A	Channel Unknown
0x170	Sub-channel
0x171	Sub-channel Increment
0x172	Sub-channel Decrement
0x173	Alternate Audio Increment
0x174	Alternate Audio Decrement
0x180	Application Launch Buttons
0x181	AL Launch Button Configuration Tool
0x182	AL Programmable Button Configuration
0x183	AL Consumer Control Configuration
0x184	AL Word Processor
0x185	AL Text Editor
0x186	AL Spreadsheet
0x187	AL Graphics Editor
0x188	AL Presentation App

0x189	AL Database App
0x18A	AL Email Reader
0x18B	AL Newsreader
0x18C	AL Voicemail
0x18D	AL Contacts/Address Book
0x18E	AL Calendar/Schedule
0x18F	AL Task/Project Manager
0x190	AL Log/Journal/Timecard
0x191	AL Checkbook/Finance
0x192	AL Calculator
0x193	AL A/V Capture/Playback
0x194	AL Local Machine Browser
0x195	AL LAN/WAN Browser
0x196	AL Internet Browser
0x197	AL Remote Networking/ISP Connect
0x198	AL Network Conference
0x199	AL Network Chat
0x19A	AL Telephony/Dialer
0x19B	AL Logon
0x19C	AL Logoff
0x19D	AL Logon/Logoff
0x19E	AL Terminal Lock/Screensaver
0x19F	AL Control Panel
0x1A0	AL Command Line Processor/Run
0x1A1	AL Process/Task Manager
0x1A2	AL Select Task/Application
0x1A3	AL Next Task/Application
0x1A4	AL Previous Task/Application
0x1A5	AL Preemptive Halt Task/Application
0x200	Generic GUI Application Controls
0x201	AC New
0x202	AC Open
0x203	AC Close
0x204	AC Exit
0x205	AC Maximize
0x206	AC Minimize
0x207	AC Save
0x208	AC Print
0x209	AC Properties
0x21A	AC Undo
0x21B	AC Copy
0x21C	AC Cut
0x21D	AC Paste
0x21E	AC Select All
0x21F	AC Find
0x220	AC Find and Replace
0x221	AC Search
0x222	AC Go To
0x223	AC Home
0x224	AC Back
0x225	AC Forward
0x226	AC Stop
0x227	AC Refresh
0x228	AC Previous Link
0x229	AC Next Link
0x22A	AC Bookmarks
0x22B	AC History
0x22C	AC Subscriptions
0x22D	AC Zoom In
0x22E	AC Zoom Out
0x22F	AC Zoom
0x230	AC Full Screen View
0x231	AC Normal View
0x232	AC View Toggle
0x233	AC Scroll Up
0x234	AC Scroll Down
0x235	AC Scroll
0x236	AC Pan Left
0x237	AC Pan Right
0x238	AC Pan
0x239	AC New Window
0x23A	AC Tile Horizontally
0x23B	AC Tile Vertically
0x23C	AC Format

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Digitizer	
0x00	Undefined
0x01	Digitizer
0x02	Pen
0x03	Light Pen
0x04	Touch Screen
0x05	Touch Pad
0x06	White Board
0x07	Coordinate Measuring Machine
0x08	3-D Digitizer
0x09	Stereo Plotter
0x0A	Articulated Arm
0x0B	Armature
0x0C	Multiple Point Digitizer
0x0D	Free Space Wand
0x20	Stylus
0x21	Puck
0x22	Finger
0x30	Tip Pressure
0x31	Barrel Pressure
0x32	In Range
0x33	Touch
0x34	Untouch
0x35	Tap
0x36	Quality

	0x37	Data Valid
	0x38	Transducer Index
	0x39	Tablet Function Keys
	0x3A	Program Change Keys
	0x3B	Battery Strength
	0x3C	Invert
	0x3D	X Tilt
	0x3E	Y Tilt
	0x3F	Azimuth
	0x40	Altitude
	0x41	Twist
	0x42	Tip Switch
	0x43	Secondary Tip Switch
	0x44	Barrel Switch
	0x45	Eraser
	0x46	Tablet Pick
15		Physical Interface Device
16		Unicode
	*	Unicode Char u%04x
20		Alphanumeric Display
	0x00	Undefined
	0x01	Alphanumeric Display
	0x20	Display Attributes Report
	0x21	ASCII Character Set
	0x22	Data Read Back
	0x23	Font Read Back
	0x24	Display Control Report
	0x25	Clear Display
	0x26	Display Enable
	0x27	Screen Saver Delay
	0x28	Screen Saver Enable
	0x29	Vertical Scroll
	0x2A	Horizontal Scroll
	0x2B	Character Report
	0x2C	Display Data
	0x2D	Display Status
	0x2E	Stat Not Ready
	0x2F	Stat Ready
	0x30	Err Not a loadable character
	0x31	Err Font data cannot be read
	0x32	Cursor Position Report
	0x33	Row
	0x34	Column
	0x35	Rows
	0x36	Columns
	0x37	Cursor Pixel Positioning
	0x38	Cursor Mode
	0x39	Cursor Enable
	0x3A	Cursor Blink
	0x3B	Font Report
	0x3C	Font Data
	0x3D	Character Width
	0x3E	Character Height
	0x3F	Character Spacing Horizontal
	0x40	Character Spacing Vertical
	0x41	Unicode Character Set
128		Monitor
	0x00	Undefined
	0x01	Monitor Control
	0x02	EDID Information
	0x03	VDIF Information
	0x04	VESA Version
	0x05	On Screen Display
	0x06	Auto Size Center
	0x07	Polarity Horz Synch
	0x08	Polarity Vert Synch
	0x09	Sync Type
	0x0A	Screen Position
	0x0B	Horizontal Frequency
	0x0C	Vertical Frequency
129		Monitor Enumerated Values
	0x00	unassigned
	*	ENUM %d
130		VESA Virtual Controls
	0x10	Brightness
	0x12	Contrast
	0x16	Video Gain Red
	0x18	Video Gain Green
	0x1A	Video Gain Blue
	0x1C	Focus
	0x20	Horizontal Position
	0x22	Horizontal Size
	0x24	Horizontal Pincushion
	0x26	Horizontal Pincushion Balance
	0x28	Horizontal Misconvergence
	0x2A	Horizontal Linearity
	0x2C	Horizontal Linearity Balance
	0x30	Vertical Position
	0x32	Vertical Size
	0x34	Vertical Pincushion
	0x36	Vertical Pincushion Balance
	0x38	Vertical Misconvergence
	0x3A	Vertical Linearity
	0x3C	Vertical Linearity Balance

	0x40	Parallelogram Distortion
	0x42	Trapezoidal Distortion
	0x44	Tilt
	0x46	Top Corner Distortion Control
	0x48	Top Corner Distortion Balance
	0x4A	Bottom Corner Distortion Control
	0x4C	Bottom Corner Distortion Balance
	0x56	Moir❖ Horizontal
	0x58	Moir❖ Vertical
	0x5E	Input Level Select
	0x60	Input Source Select
	0x62	Stereo Mode
	0x6C	Video Black Level Red
	0x6E	Video Black Level Green
	0x70	Video Black Level Blue
131	VESA Command	
	0x00	Undefined
	0x01	Settings
	0x02	Degauss
132	Power Device	
	0x00	Undefined
	0x01	iName
	0x02	PresentStatus
	0x03	ChangedStatus
	0x04	UPS
	0x05	PowerSupply
	0x10	BatterySystem
	0x11	BatterySystemID
	0x12	Battery
	0x13	BatteryID
	0x14	Charger
	0x15	ChargerID
	0x16	PowerConverter
	0x17	PowerConverterID
	0x18	OutletSystem
	0x19	OutletSystemID
	0x1A	Input
	0x1B	InputID
	0x1C	Output
	0x1D	OutputID
	0x1E	Flow
	0x1F	FlowID
	0x20	Outlet
	0x21	OutletID
	0x22	Gang
	0x23	GangID
	0x24	Sink
	0x25	SinkID
	0x30	Voltage
	0x31	Current
	0x32	Frequency
	0x33	ApparentPower
	0x34	ActivePower
	0x35	PercentLoad
	0x36	Temperature
	0x37	Humidity
	0x40	ConfigVoltage
	0x41	ConfigCurrent
	0x42	ConfigFrequency
	0x43	ConfigApparentPower
	0x44	ConfigActivePower
	0x45	ConfigPercentLoad
	0x46	ConfigTemperature
	0x47	ConfigHumidity
	0x50	SwitchOnControl
	0x51	SwitchOffControl
	0x52	ToggleControl
	0x53	LowVoltageTransfer
	0x54	HighVoltageTransfer
	0x55	DelayBeforeReboot
	0x56	DelayBeforeStartup
	0x57	DelayBeforeShutdown
	0x58	Test
	0x59	Vendorspecificcommand
	0x60	Present
	0x61	Good
	0x62	InternalFailure
	0x63	VoltageOutOfRange
	0x64	FrequencyOutOfRange
	0x65	Overload
	0x66	OverCharged
	0x67	OverTemperature
	0x68	ShutdownRequested
	0x69	ShutdownImminent
	0x6A	VendorSpecificAnswerValid
	0x6B	SwitchOn/Off
	0x6C	Switchable
	0x6D	Used
	0x6E	Boost
	0x6F	Buck
	0x70	Initialized
	0x71	Tested
133	Battery System	
	0x00	Undefined
	0x01	SMBBatteryMode
	0x02	SMBBatteryStatus
	0x03	SMBAlarmWarning

0x04	SMBChargerMode
0x05	SMBChargerStatus
0x06	SMBChargerSpecInfo
0x07	SMBSelectorState
0x08	SMBSelectorPreset
0x09	SMBSelectorInfo
0x10	OptionalMfgFunction1
0x11	OptionalMfgFunction2
0x12	OptionalMfgFunction3
0x13	OptionalMfgFunction4
0x14	OptionalMfgFunction5
0x15	ConnectionToSMBus
0x16	OutputConnection
0x17	ChargerConnection
0x18	BatteryInsertion
0x19	Usenext
0x1A	OKToUse
0x28	ManufacturerAccess
0x29	RemainingCapacityLimit
0x2A	RemainingTimeLimit
0x2B	AtRate
0x2C	CapacityMode
0x2D	BroadcastToCharger
0x2E	PrimaryBattery
0x2F	ChargeController
0x40	TerminateCharge
0x41	TermminateDischarge
0x42	BelowRemainingCapacityLimit
0x43	RemainingTimeLimitExpired
0x44	Charging
0x45	Discharging
0x46	FullyCharged
0x47	FullyDischarged
0x48	ConditionningFlag
0x49	AtRateOK
0x4A	SMBErrorCode
0x4B	NeedReplacement
0x60	AtRateTimeToFull
0x61	AtRateTimeToEmpty
0x62	AverageCurrent
0x63	Maxerror
0x64	RelativeStateOfCharge
0x65	AbsoluteStateOfCharge
0x66	RemainingCapacity
0x67	FullChargeCapacity
0x68	RunTimeToEmpty
0x69	AverageTimeToEmpty
0x6A	AverageTimeToFull
0x6B	CycleCount
0x80	BattPackModelLevel
0x81	InternalChargeController
0x82	PrimaryBatterySupport
0x83	DesignCapacity
0x84	SpecificationInfo
0x85	ManufacturerDate
0x86	SerialNumber
0x87	iManufacturerName
0x88	iDevicename
0x89	iDeviceChemistery
0x8A	iManufacturerData
0x8B	Rechargeable
0x8C	WarningCapacityLimit
0x8D	CapacityGranularity1
0x8E	CapacityGranularity2
0xC0	InhibitCharge
0xC1	EnablePolling
0xC2	ResetToZero
0xD0	ACPresent
0xD1	BatteryPresent
0xD2	PowerFail
0xD3	AlarmInhibited
0xD4	ThermistorUnderRange
0xD5	ThermistorHot
0xD6	ThermistorCold
0xD7	ThermistorOverRange
0xD8	VoltageOutOfRange
0xD9	CurrentOutOfRange
0xDA	CurrentNotRegulated
0xDB	VoltageNotRegulated
0xDC	MasterMode
0xDD	ChargerBattery/HostControlled
0xF0	ChargerSpecInfo
0xF1	ChargerSpecRef
0xF2	Level2
0xF3	Level3

140 Bar Code Scanner

141 Scale Device

144 Camera Control

145 Arcade Device

Some Micro\$oft non-standard extensions

0xff00 Microsoft

0xe9 Base Up

0xea Base Down

APC non-standard page? (1.6.2003) Riccardo "VIC" Torrini

0xff84	__APC_Power Device
0x00	Undefined
0x01	iName
0x02	PresentStatus
0x03	ChangedStatus
0x04	UPS
0x05	PowerSupply
0x10	BatterySystem
0x11	BatterySystemID
0x12	Battery
0x13	BatteryID
0x14	Charger
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0x34	ActivePower
0x35	PercentLoad
0x36	Temperature
0x37	Humidity
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0x41	ConfigCurrent
0x42	ConfigFrequency
0x43	ConfigApparentPower
0x44	ConfigActivePower
0x45	ConfigPercentLoad
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0x57	DelayBeforeShutdown
0x58	Test
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0x62	InternalFailure
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0x6A	VendorSpecificAnswerValid
0x6B	SwitchOn/Off
0x6C	Switchable
0x6D	Used
0x6E	Boost
0x6F	Buck
0x70	Initialized
0x71	Tested
0xff85	__APC_Battery System
0x00	Undefined
0x01	SMBBatteryMode
0x02	SMBBatteryStatus
0x03	SMBAlarmWarning
0x04	SMBChargerMode
0x05	SMBChargerStatus
0x06	SMBChargerSpecInfo
0x07	SMBSelectorState
0x08	SMBSelectorPreset
0x09	SMBSelectorInfo
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0x11	OptionalMfgFunction2
0x12	OptionalMfgFunction3
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0x14	OptionalMfgFunction5
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0x41	TermminateDischarge
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0x43	RemainingTimeLimitExpired
0x44	Charging
0x45	Discharging
0x46	FullyCharged
0x47	FullyDischarged
0x48	ConditionningFlag
0x49	AtRateOK
0x4A	SMBErrorCode
0x4B	NeedReplacement
0x60	AtRateTimeToFull
0x61	AtRateTimeToEmpty
0x62	AverageCurrent
0x63	Maxerror
0x64	RelativeStateOfCharge
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0xD7	ThermistorOverRange
0xD8	VoltageOutOfRange
0xD9	CurrentOutOfRange
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0xDD	ChargerBattery/HostControlled
0xF0	ChargerSpecInfo
0xF1	ChargerSpecRef
0xF2	Level2
0xF3	Level3