

# Design Concept of NetFront and Compact NetFront

- Software works with 1/10 or 1/100 hardware resources of PC —

- NetFront  
Internet Appliances  
(PDA, TV/STB, Word Processor)

CPU 20 - 50 MIPS ~  
RAM 1-4 M Bytes ~



- Compact NetFront  
Mobile Information Device  
(Cellular Phone, E-mail Terminal, ...)

CPU 5-10 MIPS ~  
RAM 200-300 K Bytes

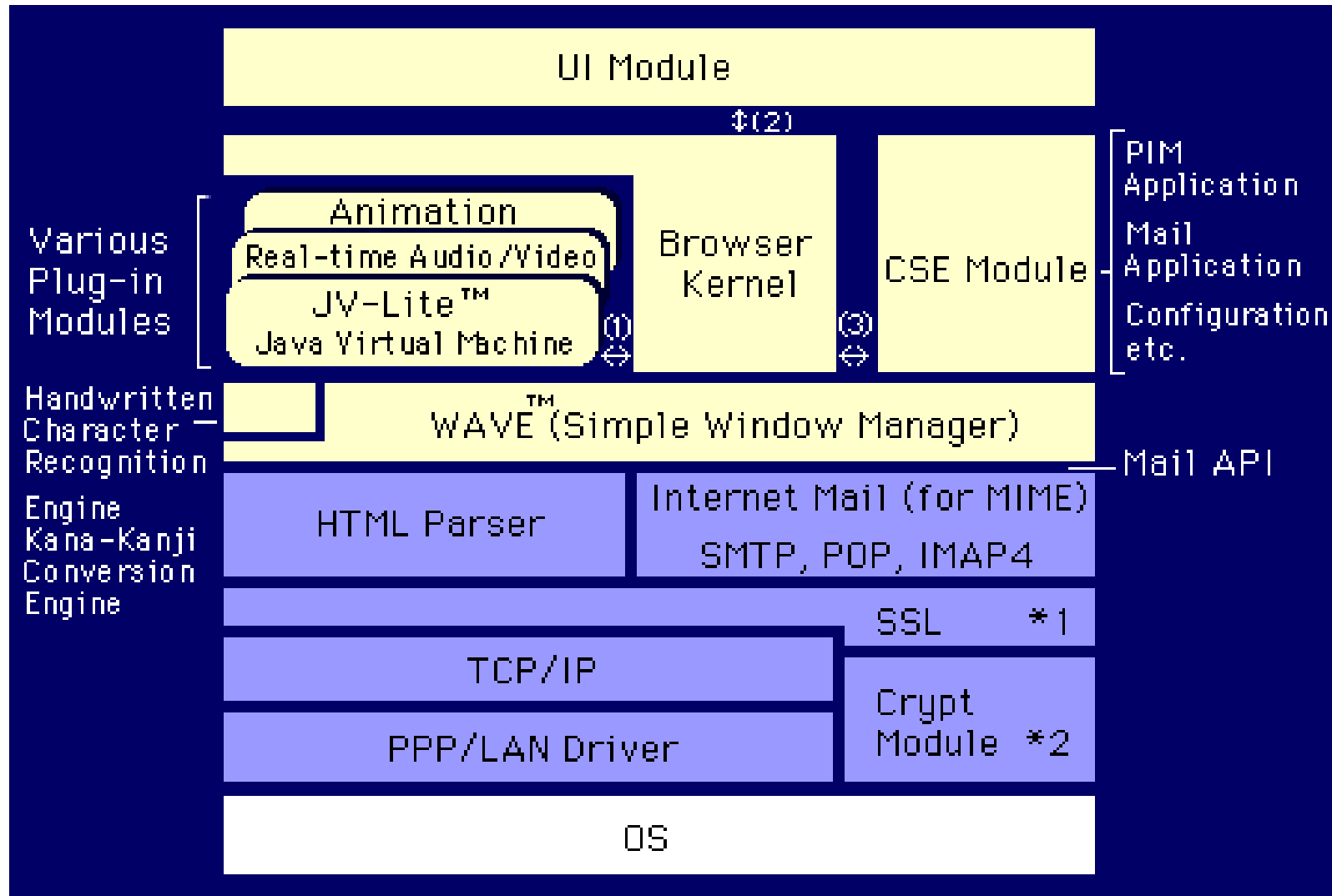


# Advantages of ACCESS' NetFront

Software Component for Internet Access Function  
= "**ComponentWare**"

- Design for Embedded Devices from Scratch
- Realizing High Performance even under the Hardware Constrained Environments (CPU, Memory)
- Easy UI Customization
- Supports various Embedded CPUs
- Supports various RTOSs including  $\mu$ ITRON
- Flexible Configuration through modular architecture
- Extentionability by Plug-in /CSE
- Provides total solution combined with System LSI, RTOS, and other Middleware

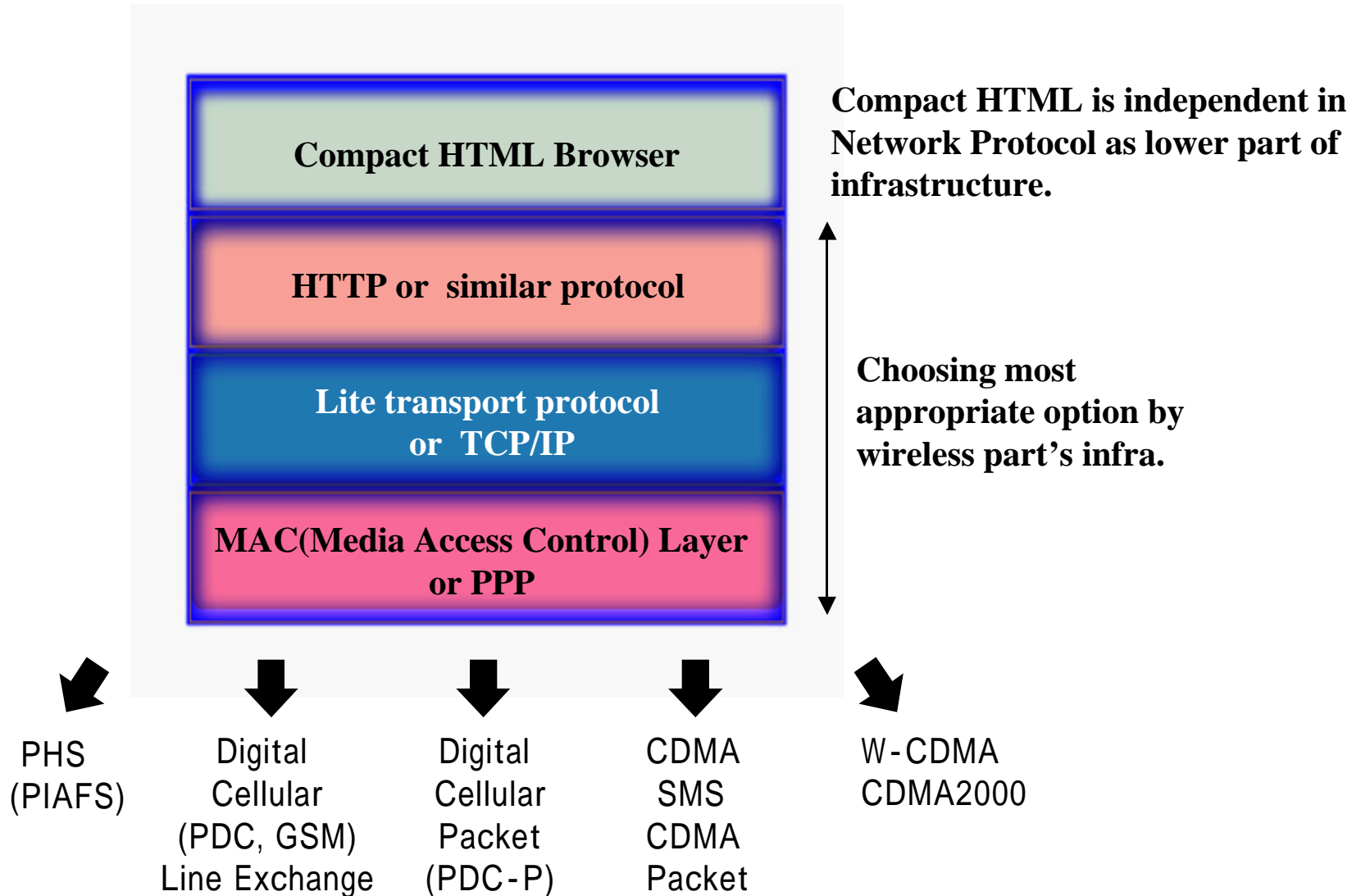
# NetFront: Browser-Centric Software Platform



(1) NetFront Plug-in API (2) NetFront Client Interface (3) Client Side Extension (Local CGI Mechanism)

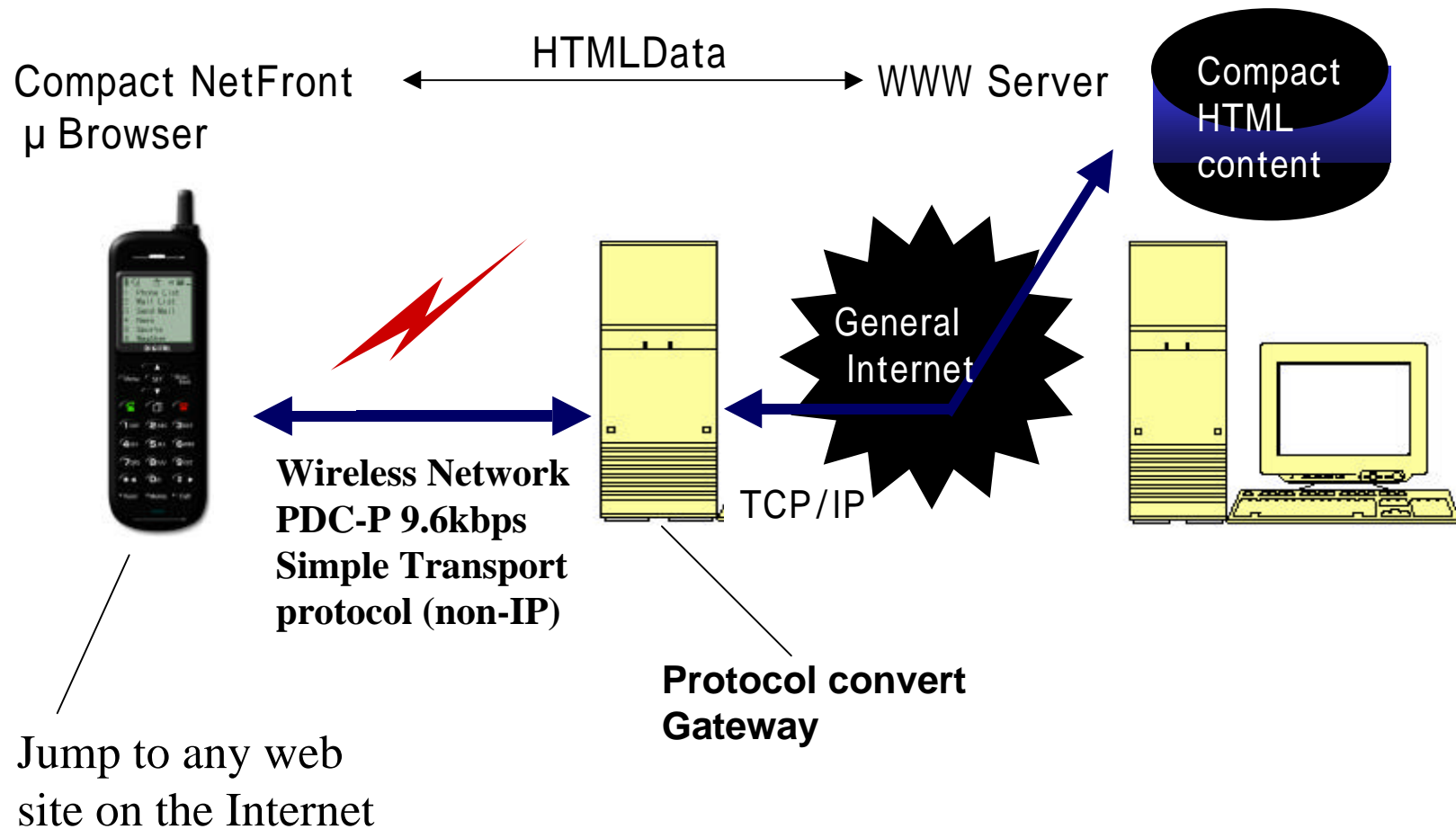
\*1 Secure Socket Layer (Ver.3) \*2 Based on algorithms such as RSA, DES, MD5, SHA

# Networking Protocol of Compact HTML



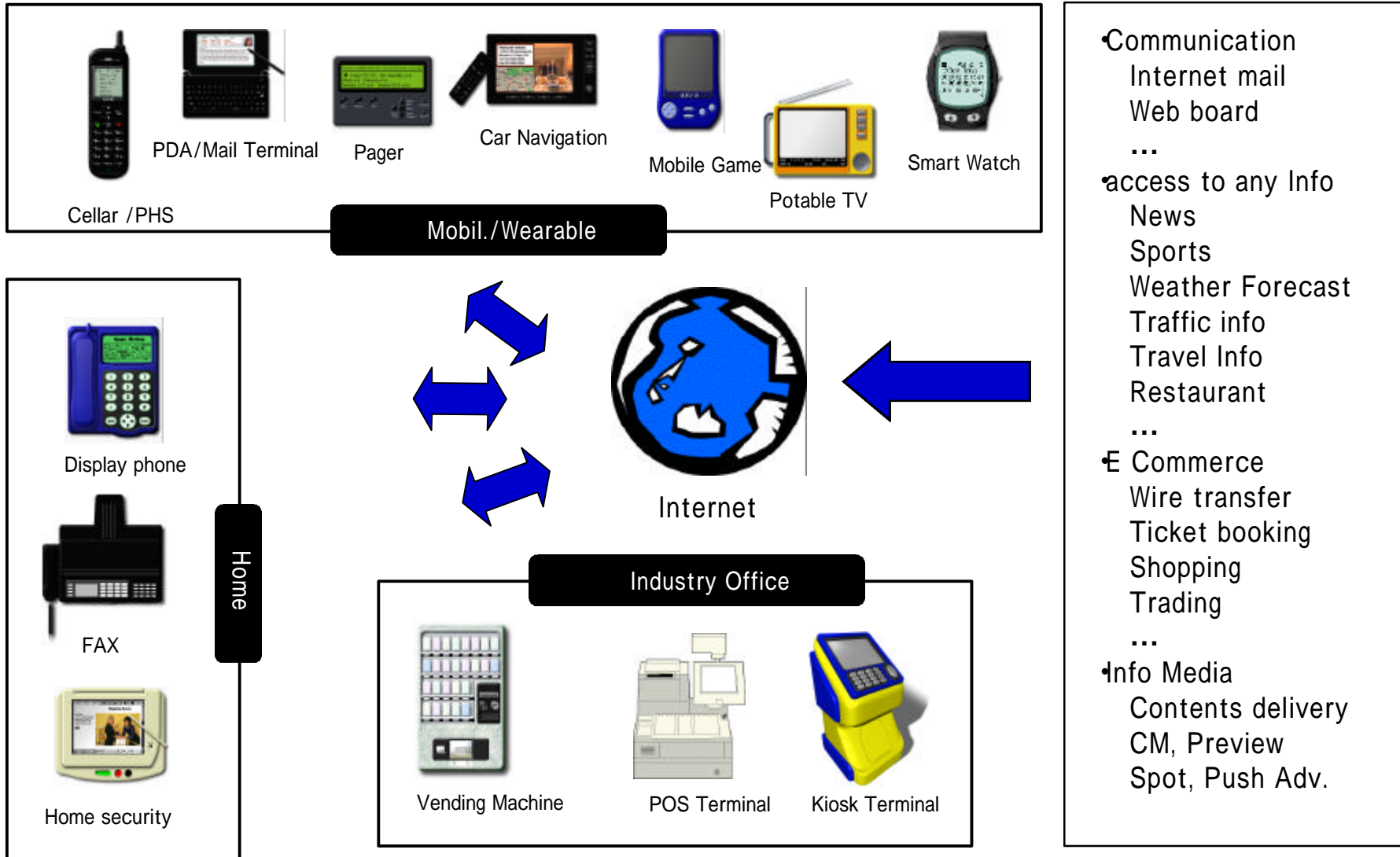
# Wireless Internet by Compact NetFront

— Example of NTT DoCoMo' i-mode Phone —

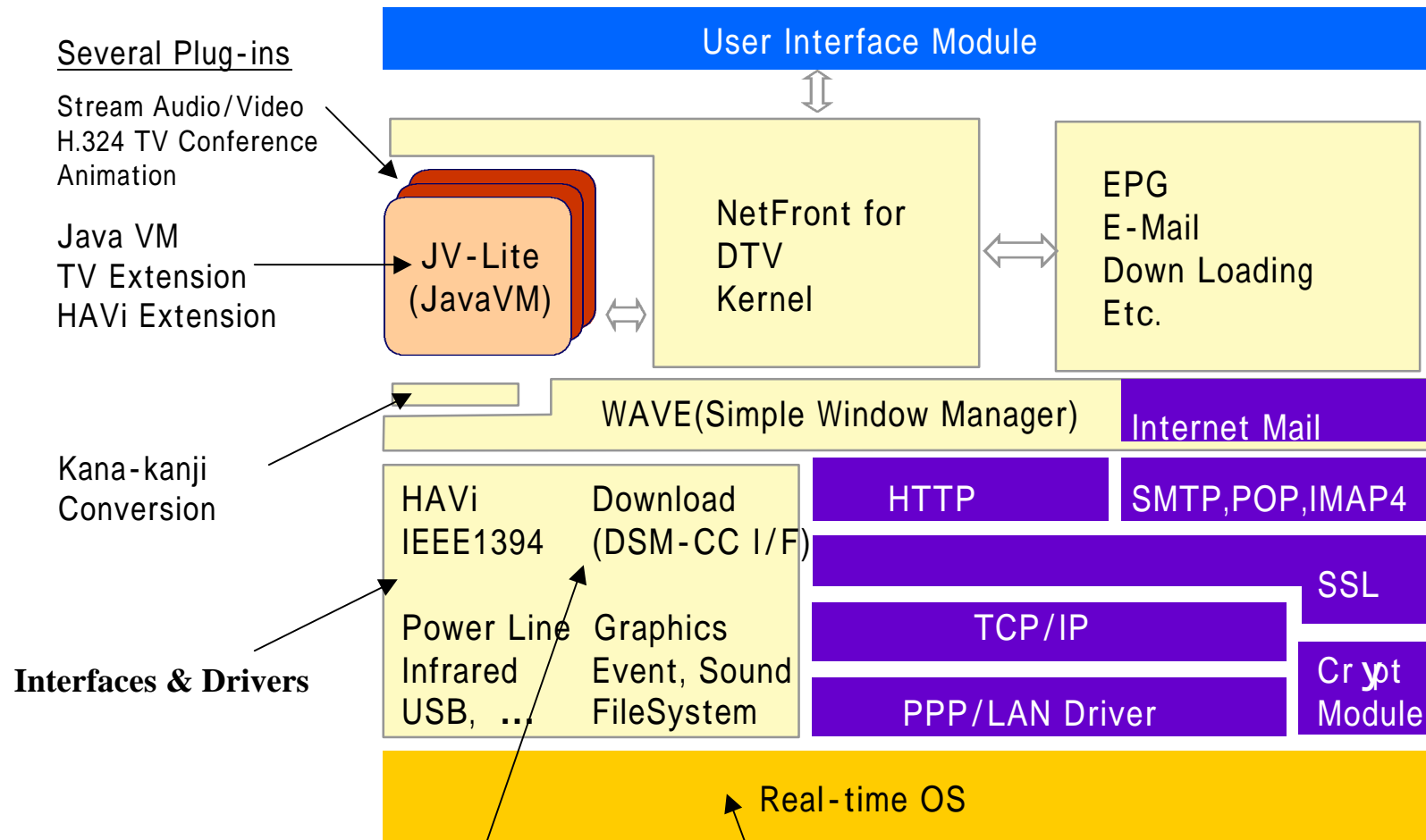


Compact HTML:<http://www.w3.org/Submission/1998/04/>

# Compact NetFront ( μ Browser) Anywhere



# NetFront for DTV: Software Configuration



# Access' NetFront Road Map

- NetFront 2.5 (1999 Q3, Now available)  
HTML 3.2 + Frames + JavaScript  
Printer support  
International language support (Eng., Chinese, Latin1)
- NetFront 3.0 (2000 Q2)  
HTML4.0 + Frames + JavaScript + CSS  
Browser Component  
NetFront for DTV
- Plug-in  
JV-Lite (Now available)  
Macromedia Flash (porting ready)  
Video Conference H.323/H.324 (1999 Q4)  
RealAudio/Real Video (1999 Q4)  
MP3 Player (2000 Q1)



# NetFront 2.5 for SEGA Dreamcast

1999/08/05 Dreampassport2

*Many Advance features available*

Javascript support

Macromedia Flash

MPEGSoftdec :MPEG1.0 format

3D objects :3D model and motion

Sound system :

MIDI, WAV, AU, AIFF

Screensaver:

Picture downloading  
for screen saver



# ACCESS Systems America, Inc.

- Started marketing in the US two years ago
- Established subsidiary as 'Access Systems America, Inc.' in this July.
- Plan to staff with 8 employee by end of the year 1999.
- Start local support, system integration, development products specifically for US market.
- Contact: JoeLeung@aol.com